

Rafael de Cabo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

328
papers

35,453
citations

93
h-index

183
g-index

375
ext. papers

40,959
ext. citations

10.4
avg, IF

7.08
L-index

#	Paper	IF	Citations
328	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	6.1	8
327	Sex- and strain-specific effects of mitochondrial uncoupling on age-related metabolic diseases in high-fat diet-fed mice.. <i>Aging Cell</i> , 2022 , e13539	9.9	1
326	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	4.5	0
325	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	6.1	7
324	Reply to A Drewnowski et al, O Devinsky, D A Booth and E L Gibson, and D J Millward.. <i>American Journal of Clinical Nutrition</i> , 2022 , 115, 595-597	7	0
323	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> , 2022 , 1-19	2.3	0
322	CYB5R3 overexpression preserves skeletal muscle mitochondria and autophagic signaling in aged transgenic mice.. <i>GeroScience</i> , 2022 , 1	8.9	
321	Unraveling Pathways of Health and Lifespan with Integrated Multiomics Approaches. <i>Methods in Molecular Biology</i> , 2022 , 193-218	1.4	
320	Diet composition influences the metabolic benefits of short cycles of very low caloric intake. <i>Nature Communications</i> , 2021 , 12, 6463	17.4	3
319	Fasting-mimicking diet prevents high-fat diet effect on cardiometabolic risk and lifespan. <i>Nature Metabolism</i> , 2021 , 3, 1342-1356	14.6	9
318	Daily caloric restriction limits tumor growth more effectively than caloric cycling regardless of dietary composition. <i>Nature Communications</i> , 2021 , 12, 6201	17.4	9
317	Intermittent fasting: from calories to time restriction. <i>GeroScience</i> , 2021 , 43, 1083-1092	8.9	7
316	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	6.4	5
315	A cross-sectional study of functional and metabolic changes during aging through the lifespan in male mice. <i>ELife</i> , 2021 , 10,	8.9	11
314	Restoration of energy homeostasis by SIRT6 extends healthy lifespan. <i>Nature Communications</i> , 2021 , 12, 3208	17.4	24
313	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	6.4	18
312	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	6.4	7

311	The longevity gene mIndy (Igf1r Not Dead, Yet) affects blood pressure through sympathoadrenal mechanisms. <i>JCI Insight</i> , 2021 , 6,	9.9	2
310	Chronic Exposure to Cadmium Induces Differential Methylation in Mice Spermatozoa. <i>Toxicological Sciences</i> , 2021 , 180, 262-276	4.4	4
309	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	5.5	7
308	A redox-mediated conformational change in NQO1 controls binding to microtubules and Tubulin acetylation. <i>Redox Biology</i> , 2021 , 39, 101840	11.3	10
307	Deletion of the diabetes candidate gene Slc16a13 in mice attenuates diet-induced ectopic lipid accumulation and insulin resistance. <i>Communications Biology</i> , 2021 , 4, 826	6.7	2
306	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	10.6	1
305	The carbohydrate-insulin model: a physiological perspective on the obesity pandemic. <i>American Journal of Clinical Nutrition</i> , 2021 ,	7	37
304	Fasting blood glucose as a predictor of mortality: Lost in translation. <i>Cell Metabolism</i> , 2021 , 33, 2189-2200.e3	11.3	3
303	Identifying Biomarkers for Biological Age: Geroscience and the ICFSR Task Force. <i>Journal of Frailty & Aging, the</i> , 2021 , 10, 196-201	2.6	6
302	Aged Nrf2-Null Mice Develop All Major Types of Age-Related Cataracts 2021 , 62, 10		1
301	Perinatal diet influences health and survival in a mouse model of leukemia. <i>GeroScience</i> , 2020 , 42, 1147-1155	8.5	2
300	Untangling Determinants of Enhanced Health and Lifespan through a Multi-omics Approach in Mice. <i>Cell Metabolism</i> , 2020 , 32, 100-116.e4	24.6	27
299	Disulfiram Treatment Normalizes Body Weight in Obese Mice. <i>Cell Metabolism</i> , 2020 , 32, 203-214.e4	24.6	22
298	Hepatic HuR modulates lipid homeostasis in response to high-fat diet. <i>Nature Communications</i> , 2020 , 11, 3067	17.4	16
297	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	6.4	10
296	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	10.8	37
295	The road ahead for health and lifespan interventions. <i>Ageing Research Reviews</i> , 2020 , 59, 101037	12	48
294	Deletion of Nrf2 shortens lifespan in C57BL6/J 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	7.8	8

293	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	8.9	4
292	ARDD 2020: from aging mechanisms to interventions. <i>Aging</i> , 2020 , 12, 24484-24503	5.6	11
291	A rat epigenetic clock recapitulates phenotypic aging and co-localizes with heterochromatin. <i>ELife</i> , 2020 , 9,	8.9	8
290	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	2.4	
289	A toolbox for the longitudinal assessment of healthspan in aging mice. <i>Nature Protocols</i> , 2020 , 15, 540-578	8.8	38
288	Energy Restriction and Colorectal Cancer: A Call for Additional Research. <i>Nutrients</i> , 2020 , 12,	6.7	15
287	Measuring biological aging in humans: A quest. <i>Aging Cell</i> , 2020 , 19, e13080	9.9	158
286	A Central Role for the Gasotransmitter HS in Aging. <i>Cell Metabolism</i> , 2020 , 31, 10-12	24.6	7
285	Time-restricted feeding (TRF) for prevention of age-related vascular cognitive impairment and dementia. <i>Ageing Research Reviews</i> , 2020 , 64, 101189	12	14
284	Estrogens decrease osteoclast number by attenuating mitochondria oxidative phosphorylation and ATP production in early osteoclast precursors. <i>Scientific Reports</i> , 2020 , 10, 11933	4.9	16
283	NQO1 protects obese mice through improvements in glucose and lipid metabolism. <i>Npj Aging and Mechanisms of Disease</i> , 2020 , 6, 13	5.5	10
282	Elucidating the mechanisms by which disulfiram protects against obesity and metabolic syndrome. <i>Npj Aging and Mechanisms of Disease</i> , 2020 , 6, 8	5.5	5
281	A Glance Back at the Journal of Gerontology-Coffee, Dietary Interventions and Life Span. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 2029-2030	6.4	0
280	Branched chain amino acids, aging and age-related health. <i>Ageing Research Reviews</i> , 2020 , 64, 101198	12	29
279	Age-induced accumulation of methylmalonic acid promotes tumour progression. <i>Nature</i> , 2020 , 585, 283-287	38.7	42
278	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	3.9	14
277	Maternally expressed gene 3 in metabolic programming. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2020 , 1863, 194396	6	4
276	Haploinsufficiency Reduces Mitochondrial Lipid Oxidation and Causes Myopathy Associated with CoQ Deficiency. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	18

275	Alternate Day Fasting Improves Physiological and Molecular Markers of Aging in Healthy, Non-obese Humans. <i>Cell Metabolism</i> , 2019 , 30, 462-476.e6	24.6	131
274	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	1.3	6
273	Loss of miR-451a enhances SPARC production during myogenesis. <i>PLoS ONE</i> , 2019 , 14, e0214301	3.7	7
272	Pomalidomide Reduces Ischemic Brain Injury in Rodents. <i>Cell Transplantation</i> , 2019 , 28, 439-450	4	9
271	Frailty index as a biomarker of lifespan and healthspan: Focus on pharmacological interventions. <i>Mechanisms of Ageing and Development</i> , 2019 , 180, 42-48	5.6	22
270	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	6.4	17
269	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	6.4	13
268	Effects of Intermittent Fasting on Health, Aging, and Disease. <i>New England Journal of Medicine</i> , 2019 , 381, 2541-2551	59.2	410
267	Discoidin domain Receptor 2: A determinant of metabolic syndrome-associated arterial fibrosis in non-human primates. <i>PLoS ONE</i> , 2019 , 14, e0225911	3.7	5
266	Daily Fasting Improves Health and Survival in Male Mice Independent of Diet Composition and Calories. <i>Cell Metabolism</i> , 2019 , 29, 221-228.e3	24.6	109
265	Of Aging Mice and Men: Gait Speed Decline Is a Translatable Trait, With Species-Specific Underlying Properties. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 1413-1416	6.4	18
264	Genetic Ablation of miR-33 Increases Food Intake, Enhances Adipose Tissue Expansion, and Promotes Obesity and Insulin Resistance. <i>Cell Reports</i> , 2018 , 22, 2133-2145	10.6	65
263	Nicotinamide Improves Aspects of Healthspan, but Not Lifespan, in Mice. <i>Cell Metabolism</i> , 2018 , 27, 667-676.e4	17.6	152
262	Long-term Dietary Macronutrients and Hepatic Gene Expression in Aging Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 1618-1625	6.4	10
261	Skeletal muscle ex vivo mitochondrial respiration parallels decline in vivo oxidative capacity, cardiorespiratory fitness, and muscle strength: The Baltimore Longitudinal Study of Aging. <i>Aging Cell</i> , 2018 , 17, e12725	9.9	57
260	Sex and Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 139-140	1.0	8
259	Breaking the Ceiling of Human Maximal Life span. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 1465-1471	6.4	16
258	Motor neurons are spared from aging while their synaptic inputs degenerate in monkeys and mice. <i>Aging Cell</i> , 2018 , 17, e12726	9.9	28

257	Nrf2 Deficiency Exacerbates Obesity-Induced Oxidative Stress, Neurovascular Dysfunction, Blood-Brain Barrier Disruption, Neuroinflammation, Amyloidogenic Gene Expression, and Cognitive Decline in Mice, Mimicking the Aging Phenotype. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 853-863	6.4	81
256	Future directions of resveratrol research. <i>Nutrition and Healthy Aging</i> , 2018 , 4, 287-290	1.3	18
255	Sirt1 protects from K-Ras-driven lung carcinogenesis. <i>EMBO Reports</i> , 2018 , 19,	6.5	16
254	Redox modulation of NQO1. <i>PLoS ONE</i> , 2018 , 13, e0190717	3.7	23
253	Comparing the Effects of Low-Protein and High-Carbohydrate Diets and Caloric Restriction on Brain Aging in Mice. <i>Cell Reports</i> , 2018 , 25, 2234-2243.e6	10.6	57
252	Commensal bacteria contribute to insulin resistance in aging by activating innate B1a cells. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	70
251	A time to fast. <i>Science</i> , 2018 , 362, 770-775	33.3	197
250	Calorie Restriction Curbs Proinflammation That Accompanies Arterial Aging, Preserving a Youthful Phenotype. <i>Journal of the American Heart Association</i> , 2018 , 7, e009112	6	14
249	Yo-Yo Dieting is Better than None. <i>Obesity</i> , 2018 , 26, 1673	8	2
248	Carbotoxicity-Noxious Effects of Carbohydrates. <i>Cell</i> , 2018 , 175, 605-614	56.2	57
247	Overexpression of CYB5R3 and NQO1, two NAD ⁺ -producing enzymes, mimics aspects of caloric restriction. <i>Aging Cell</i> , 2018 , 17, e12767	9.9	24
246	Caloric restriction improves health and survival of rhesus monkeys. <i>Nature Communications</i> , 2017 , 8, 14063	17.4	424
245	The human longevity gene homolog INDY and interleukin-6 interact in hepatic lipid metabolism. <i>Hepatology</i> , 2017 , 66, 616-630	11.2	33
244	Effect of Resveratrol on Walking Performance in Older People With Peripheral Artery Disease: The RESTORE Randomized Clinical Trial. <i>JAMA Cardiology</i> , 2017 , 2, 902-907	16.2	37
243	Influence of anaerobic and aerobic exercise on age-related pathways in skeletal muscle. <i>Ageing Research Reviews</i> , 2017 , 37, 39-52	12	11
242	Kaempferol increases levels of coenzyme Q in kidney cells and serves as a biosynthetic ring precursor. <i>Free Radical Biology and Medicine</i> , 2017 , 110, 176-187	7.8	23
241	Conserved and species-specific molecular denominators in mammalian skeletal muscle aging. <i>Npj Aging and Mechanisms of Disease</i> , 2017 , 3, 8	5.5	12
240	Calorie restriction in rodents: Caveats to consider. <i>Ageing Research Reviews</i> , 2017 , 39, 15-28	12	67

239	A Comparison of Two Mouse Frailty Assessment Tools. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 904-909	6.4	25
238	SIRT1 Polymorphisms and Serum-Induced SIRT1 Protein Expression in Aging and Frailty: The CHAMP Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 870-876	6.4	19
237	Stem Cell Transplantation for Frailty. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 1503-1504	6.4	10
236	Hexokinases link DJ-1 to the PINK1/parkin pathway. <i>Molecular Neurodegeneration</i> , 2017 , 12, 70	19	29
235	Caloric Restriction Research: New Perspectives on the Biology of Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 73, 1-3	6.4	18
234	Caloric Restriction Mimetics Slow Aging of Neuromuscular Synapses and Muscle Fibers. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 73, 21-28	6.4	17
233	Caloric Restriction Study Design Limitations in Rodent and Nonhuman Primate Studies. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 73, 48-53	6.4	35
232	Health benefits of late-onset metformin treatment every other week in mice. <i>Npj Aging and Mechanisms of Disease</i> , 2017 , 3, 16	5.5	36
231	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. <i>Journal of Nutritional Biochemistry</i> , 2017 , 39, 169-179	6.3	8
230	The Effects of Aging and Sex Steroid Deficiency on the Murine Skeleton Are Independent and Mechanistically Distinct. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 560-574	6.3	68
229	Involvement of c-Jun N-Terminal Kinase in TNF- α -Driven Remodeling. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017 , 56, 393-401	5.7	9
228	Cognitive and behavioral evaluation of nutritional interventions in rodent models of brain aging and dementia. <i>Clinical Interventions in Aging</i> , 2017 , 12, 1419-1428	4	57
227	Measures of Healthspan as Indices of Aging in Mice-A Recommendation. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016 , 71, 427-30	6.4	61
226	Impact of Longevity Interventions on a Validated Mouse Clinical Frailty Index. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016 , 71, 333-9	6.4	88
225	Nutritional strategies to optimise cognitive function in the aging brain. <i>Ageing Research Reviews</i> , 2016 , 31, 80-92	12	64
224	Osteocalcin Signaling in Myofibers Is Necessary and Sufficient for Optimum Adaptation to Exercise. <i>Cell Metabolism</i> , 2016 , 23, 1078-1092	24.6	204
223	Effects of Sex, Strain, and Energy Intake on Hallmarks of Aging in Mice. <i>Cell Metabolism</i> , 2016 , 23, 1093-1112	14.1	245
222	N-Acetyl cysteine does not prevent liver toxicity from chronic low-dose plus subacute high-dose paracetamol exposure in young or old mice. <i>Fundamental and Clinical Pharmacology</i> , 2016 , 30, 263-75	3.1	8

221	Adverse Geriatric Outcomes Secondary to Polypharmacy in a Mouse Model: The Influence of Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016 , 71, 571-7	6.4	38
220	Acetaminophen hepatotoxicity in mice: Effect of age, frailty and exposure type. <i>Experimental Gerontology</i> , 2016 , 73, 95-106	4.5	25
219	The effect of ageing on isoniazid pharmacokinetics and hepatotoxicity in Fischer 344 rats. <i>Fundamental and Clinical Pharmacology</i> , 2016 , 30, 23-34	3.1	13
218	Novel RNA-binding activity of MYF5 enhances Ccnd1/Cyclin D1 mRNA translation during myogenesis. <i>Nucleic Acids Research</i> , 2016 , 44, 2393-408	20.1	38
217	Metformin: A Hopeful Promise in Aging Research. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2016 , 6, a025932	5.4	82
216	The impact of low-protein high-carbohydrate diets on aging and lifespan. <i>Cellular and Molecular Life Sciences</i> , 2016 , 73, 1237-52	10.3	136
215	Prolonged metformin treatment leads to reduced transcription of Nrf2 and neurotrophic factors without cognitive impairment in older C57BL/6J mice. <i>Behavioural Brain Research</i> , 2016 , 301, 1-9	3.4	54
214	Conditioned medium derived from rat amniotic epithelial cells confers protection against inflammation, cancer, and senescence. <i>Oncotarget</i> , 2016 , 7, 39051-39064	3.3	14
213	Resveratrol supplementation confers neuroprotection in cortical brain tissue of nonhuman primates fed a high-fat/sucrose diet. <i>Aging</i> , 2016 , 8, 899-916	5.6	38
212	Animal models of frailty: current applications in clinical research. <i>Clinical Interventions in Aging</i> , 2016 , 11, 1519-1529	4	37
211	Amniotic Epithelial Cells: A New Tool to Combat Aging and Age-Related Diseases?. <i>Frontiers in Cell and Developmental Biology</i> , 2016 , 4, 135	5.7	16
210	Muscle-Specific Myosin Heavy Chain Shifts in Response to a Long-Term High Fat/High Sugar Diet and Resveratrol Treatment in Nonhuman Primates. <i>Frontiers in Physiology</i> , 2016 , 7, 77	4.6	21
209	Fasting-Mimicking Diet Reduces HO-1 to Promote TCell-Mediated Tumor Cytotoxicity. <i>Cancer Cell</i> , 2016 , 30, 136-146	24.3	181
208	Ultrastructure of the liver microcirculation influences hepatic and systemic insulin activity and provides a mechanism for age-related insulin resistance. <i>Aging Cell</i> , 2016 , 15, 706-15	9.9	42
207	Cytochrome reductase and the control of lipid metabolism and healthspan. <i>Npj Aging and Mechanisms of Disease</i> , 2016 , 2, 16006	5.5	38
206	Spermidine to the rescue for an aging heart. <i>Nature Medicine</i> , 2016 , 22, 1389-1390	50.5	11
205	Mitochondrial permeabilization without caspase activation mediates the increase of basal apoptosis in cells lacking Nrf2. <i>Free Radical Biology and Medicine</i> , 2016 , 95, 82-95	7.8	8
204	HuR and GRSF1 modulate the nuclear export and mitochondrial localization of the lncRNA RMRP. <i>Genes and Development</i> , 2016 , 30, 1224-39	12.6	117

203	Pharmacological Strategies to Retard Cardiovascular Aging. <i>Circulation Research</i> , 2016 , 118, 1626-42	15.7	43
202	Novel RNA-binding activity of NQO1 promotes SERPINA1 mRNA translation. <i>Free Radical Biology and Medicine</i> , 2016 , 99, 225-233	7.8	18
201	Metformin-mediated increase in DICER1 regulates microRNA expression and cellular senescence. <i>Aging Cell</i> , 2016 , 15, 572-81	9.9	107
200	Dietary fat composition influences glomerular and proximal convoluted tubule cell structure and autophagic processes in kidneys from calorie-restricted mice. <i>Aging Cell</i> , 2016 , 15, 477-87	9.9	18
199	Reduced expression of MYC increases longevity and enhances healthspan. <i>Cell</i> , 2015 , 160, 477-88	56.2	161
198	The mitochondrial-derived peptide MOTS-c promotes metabolic homeostasis and reduces obesity and insulin resistance. <i>Cell Metabolism</i> , 2015 , 21, 443-54	24.6	312
197	Animal models of aging research: implications for human aging and age-related diseases. <i>Annual Review of Animal Biosciences</i> , 2015 , 3, 283-303	13.7	156
196	The effect of aging on mitochondrial and cytosolic hepatic intrinsic death pathway and apoptosis associated proteins in Fischer 344 rats. <i>Experimental Gerontology</i> , 2015 , 67, 54-61	4.5	7
195	Pharmacological inhibition of PI3K reduces adiposity and metabolic syndrome in obese mice and rhesus monkeys. <i>Cell Metabolism</i> , 2015 , 21, 558-70	24.6	63
194	The influence of dietary fat source on liver and skeletal muscle mitochondrial modifications and lifespan changes in calorie-restricted mice. <i>Biogerontology</i> , 2015 , 16, 655-70	4.5	13
193	Genome-wide identification of microRNAs regulating cholesterol and triglyceride homeostasis. <i>Nature Medicine</i> , 2015 , 21, 1290-7	50.5	160
192	In vitro caloric restriction induces protective genes and functional rejuvenation in senescent SAMP8 astrocytes. <i>Aging Cell</i> , 2015 , 14, 334-44	9.9	12
191	MicroRNA-148a regulates LDL receptor and ABCA1 expression to control circulating lipoprotein levels. <i>Nature Medicine</i> , 2015 , 21, 1280-9	50.5	149
190	Sirtuin1 Suppresses Osteoclastogenesis by Deacetylating FoxOs. <i>Molecular Endocrinology</i> , 2015 , 29, 1498-509	64	
189	miR-27b inhibits LDLR and ABCA1 expression but does not influence plasma and hepatic lipid levels in mice. <i>Atherosclerosis</i> , 2015 , 243, 499-509	3.1	42
188	Interventions to Slow Aging in Humans: Are We Ready?. <i>Aging Cell</i> , 2015 , 14, 497-510	9.9	373
187	Circular RNAs in monkey muscle: age-dependent changes. <i>Aging</i> , 2015 , 7, 903-10	5.6	79
186	GH Receptor Deficiency in Ecuadorian Adults Is Associated With Obesity and Enhanced Insulin Sensitivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 2589-96	5.6	45

185	Macronutrients and caloric intake in health and longevity. <i>Journal of Endocrinology</i> , 2015 , 226, R17-28	4.7	90
184	Dietary Protein to Carbohydrate Ratio and Caloric Restriction: Comparing Metabolic Outcomes in Mice. <i>Cell Reports</i> , 2015 , 11, 1529-34	10.6	117
183	Reconsidering the Role of Mitochondria in Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 1334-42	6.4	142
182	Factors that Impact on Interrater Reliability of the Mouse Clinical Frailty Index. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 694-5	6.4	14
181	Dietary fat and aging modulate apoptotic signaling in liver of calorie-restricted mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 399-409	6.4	13
180	Resveratrol supplementation: Where are we now and where should we go?. <i>Ageing Research Reviews</i> , 2015 , 21, 1-15	12	168
179	SIRT1 synchs satellite cell metabolism with stem cell fate. <i>Cell Stem Cell</i> , 2015 , 16, 103-4	18	8
178	Serum from calorie-restricted animals delays senescence and extends the lifespan of normal human fibroblasts in vitro. <i>Aging</i> , 2015 , 7, 152-66	5.6	15
177	Caloric restriction induces heat shock response and inhibits B16F10 cell tumorigenesis both in vitro and in vivo. <i>Aging</i> , 2015 , 7, 233-40	5.6	3
176	History of the Study of Calorie Restriction in Nonhuman Primates Conducted by the National Institute on Aging: The First Decade. <i>Healthy Ageing and Longevity</i> , 2015 , 245-275	0.5	
175	The SIRT1 activator SRT1720 extends lifespan and improves health of mice fed a standard diet. <i>Cell Reports</i> , 2014 , 6, 836-43	10.6	275
174	Membrane-bound CYB5R3 is a common effector of nutritional and oxidative stress response through FOXO3a and Nrf2. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 1708-25	8.4	25
173	Toll-like receptors 2 and 4 modulate autonomic control of heart rate and energy metabolism. <i>Brain, Behavior, and Immunity</i> , 2014 , 36, 90-100	16.6	29
172	A high-fat diet and NAD(+) activate Sirt1 to rescue premature aging in cockayne syndrome. <i>Cell Metabolism</i> , 2014 , 20, 840-855	24.6	232
171	LKB1 and AMPK regulate synaptic remodeling in old age. <i>Nature Neuroscience</i> , 2014 , 17, 1190-7	25.5	69
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2	Cyclic AMP-plus ATP-dependent modulation of the NADH oxidase activity of porcine liver plasma membranes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1994 , 1224, 566-74	4.9	6
1	The onset of cell proliferation is stimulated by ascorbate free radical in onion root primordia. <i>Biology of the Cell</i> , 1993 , 77, 231-233	3.5	19