

# CITATION REPORT

List of articles citing

## Caloric restriction delays disease onset and mortality in rhesus monkeys

DOI: 10.1126/science.1173635  
Science, 2009, 325, 201-4.

**Source:** <https://exaly.com/paper-pdf/46892959/citation-report.pdf>

**Version:** 2024-04-10

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
1892	Wnt signaling. <b>2005</b> , 1-17		167
1891	Two-color two-photon excitation using femtosecond laser pulses. <b>2008</b> , 112, 5768-73		18
1890	Fasting and cancer treatment in humans: A case series report. <i>Aging</i> , <b>2009</b> , 1, 988-1007	5.6	228
1889	Macronutrient balance and lifespan. <i>Aging</i> , <b>2009</b> , 1, 875-80	5.6	129
1888	. <b>2009</b> ,		6
1887	Live fast, die young: new lessons in mammalian longevity. <b>2009</b> , 12, 283-8		11
1886	Water- and nutrient-dependent effects of dietary restriction on <i>Drosophila</i> lifespan. <b>2009</b> , 106, 18633-7		80
1885	Cell signaling. Aging is RSKy business. <i>Science</i> , <b>2009</b> , 326, 55-6	33.3	28
1884	Le dividende de la longvit�: Pourquoi investir dans la recherche fondamentale?. <b>2009</b> , 28, 395-398		1
1883	TOR-driven aging: speeding car without brakes. <b>2009</b> , 8, 4055-9		75
1882	Rapamycin enhances lifespan: at last, an advantage for transplant recipients?. <b>2009</b> , 24, 3623-5		3
1881	Parkinson's disease. <b>2009</b> , 9, 628-628		78
1880	The longevity dividend: why invest in basic aging reserach?. <b>2009</b> , 28, 391-4; French 395-8		11
1879	Cancer risk from extreme stressors: lessons from European Jewish survivors of World War II. <b>2009</b> , 101, 1436-7		13
1878	Autophagy: evolutionary and pathophysiological insights. <b>2009</b> , 1793, 1395-6		6
1877	Transcription-blocking DNA damage in aging: a mechanism for hormesis. <b>2009</b> , 31, 1347-56		25
1876	Amino-acid imbalance explains extension of lifespan by dietary restriction in <i>Drosophila</i> . <i>Nature</i> , <b>2009</b> , 462, 1061-4	50.4	517



1857	Life span extension by resveratrol, rapamycin, and metformin: The promise of dietary restriction mimetics for an healthy aging. <b>2010</b> , 36, 377-82		48
1856	Sestrin as a feedback inhibitor of TOR that prevents age-related pathologies. <i>Science</i> , <b>2010</b> , 327, 1223-8	33.3	432
1855	Obesity and aging: determinants of endothelial cell dysfunction and atherosclerosis. <b>2010</b> , 460, 825-37		76
1854	Calorie restriction for optimal cardiovascular aging: the weight of evidence. <b>2010</b> , 4, 340-346		1
1853	Orangutan Energetics and the Influence of Fruit Availability in the Nonmasting Peat-swamp Forest of Sabangau, Indonesian Borneo. <b>2010</b> , 31, 585-607		95
1852	A nonhuman primate model of Alzheimer's disease generated by intracranial injection of amyloid- $\beta$ 2 and thiorphan. <b>2010</b> , 25, 277-84		16
1851	More than the sum of its parts? Nutrition in Alzheimer's disease. <b>2010</b> , 26, 694-700		42
1850	The impact of acute caloric restriction on the metabolic phenotype in male C57BL/6 and DBA/2 mice. <i>Mechanisms of Ageing and Development</i> , <b>2010</b> , 131, 111-8	5.6	48
1849	Resveratrol, sirtuins, and the promise of a DR mimetic. <i>Mechanisms of Ageing and Development</i> , <b>2010</b> , 131, 261-9	5.6	172
1848	Life-long caloric restriction elicits pronounced protection of the aged myocardium: a role for AMPK. <i>Mechanisms of Ageing and Development</i> , <b>2010</b> , 131, 739-42	5.6	59
1847	How increased oxidative stress promotes longevity and metabolic health: The concept of mitochondrial hormesis (mitohormesis). <b>2010</b> , 45, 410-8		553
1846	Immune senescence in aged nonhuman primates. <b>2010</b> , 45, 655-61		33
1845	Absence of uncoupling protein-3 leads to greater activation of an adenine nucleotide translocase-mediated proton conductance in skeletal muscle mitochondria from calorie restricted mice. <b>2010</b> , 1797, 1389-97		18
1844	Targeting the autophagy pathway for cancer chemoprevention. <b>2010</b> , 22, 218-25		30
1843	Stressin' Sestrins take an aging fight. <b>2010</b> , 2, 388-400		160
1842	The fixed period. <b>2010</b> , 19, 4-8		1
1841	High-fiber diet promotes weight loss and affects maternal behavior in vervet monkeys. <b>2010</b> , 72, 234-41		16
1840	Resveratrol and rapamycin: are they anti-aging drugs?. <b>2010</b> , 32, 96-9		64

1839	Preoperative dietary restriction reduces hepatic tumor load by reduced E-selectin-mediated adhesion in mice. <b>2010</b> , 102, 348-53	14
1838	Sirtuins regulate key aspects of lipid metabolism. <b>2010</b> , 1804, 1652-7	88
1837	Refinement of the use of food and fluid control as motivational tools for macaques used in behavioural neuroscience research: report of a Working Group of the NC3Rs. <b>2010</b> , 193, 167-88	50
1836	Favorable glucose tolerance and lower prevalence of metabolic syndrome in offspring without diabetes mellitus of nonagenarian siblings: the Leiden longevity study. <b>2010</b> , 58, 564-9	67
1835	Short-term dietary restriction and fasting precondition against ischemia reperfusion injury in mice. <b>2010</b> , 9, 40-53	170
1834	Aging and disease: connections to sirtuins. <b>2010</b> , 9, 285-90	257
1833	Dietary restriction and aging, 2009. <b>2010</b> , 9, 105-12	68
1832	Long-term effects of calorie restriction on serum sex-hormone concentrations in men. <b>2010</b> , 9, 236-42	61
1831	Recent advances in vertebrate aging research 2009. <b>2010</b> , 9, 297-303	11
1830	Biomarkers of aging in Drosophila. <b>2010</b> , 9, 466-477	63
1829	Altered signalling from germline to intestine pushes daf-2;pept-1 Caenorhabditis elegans into extreme longevity. <b>2010</b> , 9, 636-46	22
1828	Calorie restriction: what recent results suggest for the future of ageing research. <b>2010</b> , 40, 440-50	64
1827	The genetics of ageing. <i>Nature</i> , <b>2010</b> , 464, 504-12	50.4 2000
1826	Neural mechanisms of ageing and cognitive decline. <i>Nature</i> , <b>2010</b> , 464, 529-35	50.4 858
1825	Progeria syndromes and ageing: what is the connection?. <b>2010</b> , 11, 567-78	281
1824	Hyperbaric oxygen treatment induces antioxidant gene expression. <b>2010</b> , 1197, 178-83	57
1823	Prophylactic dietary restriction may promote functional recovery and increase lifespan after spinal cord injury. <b>2010</b> , 1198 Suppl 1, E1-11	15
1822	Can very low calorie diets increase life expectancy?. <b>2010</b> , 35, 152-156	1

1821	Effect of feeding regimens on circadian rhythms: implications for aging and longevity. <i>Aging</i> , <b>2010</b> , 2, 7-27	5.6	94
1820	Gender differences in metformin effect on aging, life span and spontaneous tumorigenesis in 129/Sv mice. <i>Aging</i> , <b>2010</b> , 2, 945-58	5.6	96
1819	Neuronal and cognitive plasticity: a neurocognitive framework for ameliorating cognitive aging. <b>2010</b> , 2, 150		103
1818	Gene-environment interaction research and transgenic mouse models of Alzheimer's disease. <b>2010</b> , 2010,		12
1817	SIRT1/eNOS axis as a potential target against vascular senescence, dysfunction and atherosclerosis. <b>2010</b> , 17, 431-5		109
1816	Short photoperiod initiated during adulthood sustains reproductive function in older female siberian hamsters more effectively than short photoperiod initiated before puberty. <b>2010</b> , 82, 778-82		3
1815	Protein homeostasis and aging in neurodegeneration. <b>2010</b> , 190, 719-29		261
1814	Fasting and differential chemotherapy protection in patients. <b>2010</b> , 9, 4474-6		79
1813	A commonly carried allele of the obesity-related FTO gene is associated with reduced brain volume in the healthy elderly. <b>2010</b> , 107, 8404-9		202
1812	Calories and carcinogenesis: lessons learned from 30 years of calorie restriction research. <b>2010</b> , 31, 83-9		156
1811	Honoring Clive McCay and 75 years of calorie restriction research. <b>2010</b> , 140, 1205-10		38
1810	RNAi screens to identify components of gene networks that modulate aging in <i>Caenorhabditis elegans</i> . <b>2010</b> , 9, 53-64		18
1809	The new biology of ageing. <b>2010</b> , 365, 147-54		105
1808	Metformin extends life span of HER-2/neu transgenic mice and in combination with melatonin inhibits growth of transplantable tumors in vivo. <b>2010</b> , 9, 188-97		145
1807	A calorie-restricted diet decreases brain iron accumulation and preserves motor performance in old rhesus monkeys. <b>2010</b> , 30, 7940-7		42
1806	Evolution in health and medicine Sackler colloquium: Evolution of the human lifespan and diseases of aging: roles of infection, inflammation, and nutrition. <b>2010</b> , 107 Suppl 1, 1718-24		244
1805	Two-year body composition analyses of long-lived GHR null mice. <b>2010</b> , 65, 31-40		104
1804	Roles of Oxidative Damage, Exercise, and Caloric Restriction in Health Span. <b>2010</b> , 30, 57-80		

1803	Biological Effects of Calorie Restriction: Implications for Modification of Human Aging. <b>2010</b> , 367-438	7
1802	Sirtuins and their relevance to the kidney. <b>2010</b> , 21, 1620-7	93
1801	The hypoxia-inducible factor HIF-1 functions as both a positive and negative modulator of aging. <b>2010</b> , 391, 1131-7	51
1800	Regulation of selenoproteins and methionine sulfoxide reductases A and B1 by age, calorie restriction, and dietary selenium in mice. <b>2010</b> , 12, 829-38	47
1799	Effect of intermittent fasting on prostate cancer tumor growth in a mouse model. <b>2010</b> , 13, 350-5	36
1798	Biomarkers of Aging: From Marking Time to Moving Forward. <b>2010</b> , 20, 18-27	1
1797	The $\beta$ -blocker atenolol lowers the longevity-related degree of fatty acid unsaturation, decreases protein oxidative damage, and increases extracellular signal-regulated kinase signaling in the heart of C57BL/6 mice. <b>2010</b> , 13, 683-93	10
1796	Disease prevention--should we target obesity or sedentary lifestyle?. <b>2010</b> , 7, 468-72	29
1795	SIRT1 promotes the central adaptive response to diet restriction through activation of the dorsomedial and lateral nuclei of the hypothalamus. <b>2010</b> , 30, 10220-32	189
1794	Calorie restriction prevents hypertension and cardiac hypertrophy in the spontaneously hypertensive rat. <b>2010</b> , 56, 412-21	97
1793	Autophagy and aging: lessons from progeria models. <b>2010</b> , 694, 61-8	18
1792	Dynamic determinants of longevity and exceptional health. <b>2010</b> ,	17
1791	Autophagy in health and disease. 1. Regulation and significance of autophagy: an overview. <b>2010</b> , 298, C776-85	147
1790	TORC1 Signaling in Budding Yeast. <b>2010</b> , 147-175	11
1789	Reduced mortality and moderate alcohol consumption: the phospholipase D-mTOR connection. <b>2010</b> , 9, 1291-4	6
1788	Effects of moderate calorie restriction on testosterone production and semen characteristics in young rhesus macaques ( <i>Macaca mulatta</i> ). <b>2010</b> , 83, 635-40	20
1787	World Congress on the Insulin Resistance Syndrome, 2009: Insulin resistance mechanisms, the brain, and insulin resistance in youth and in the polycystic ovary syndrome. <b>2010</b> , 33, e124-e130	78
1786	Energy balance, the PI3K-AKT-mTOR pathway genes, and the risk of bladder cancer. <b>2010</b> , 3, 505-17	27

1785	Exercising the brain to avoid cognitive decline: examining the evidence. <b>2010</b> , 6, 565-584	33
1784	Combined effects of short-term calorie restriction and exercise on insulin action in normal rats. <b>2010</b> , 42, 950-4	10
1783	Induction of hypothalamic Sirt1 leads to cessation of feeding via agouti-related peptide. <b>2010</b> , 151, 2556-66	86
1782	Differential effects of resveratrol and SRT1720 on lifespan of adult <i>Caenorhabditis elegans</i> . <b>2010</b> , 42, 837-9	37
1781	Sirtuin family: a link to metabolic signaling and senescence. <b>2010</b> , 17, 2921-32	22
1780	Caloric restriction and heart function: is there a sensible link?. <b>2010</b> , 31, 1111-7	34
1779	Calorie restriction: decelerating mTOR-driven aging from cells to organisms (including humans). <b>2010</b> , 9, 683-8	186
1778	The essentiality of the epididymal fat pad for spermatogenesis. <b>2010</b> , 151, 5565-7	7
1777	S6K1: reducing the RiSKs of aging. <b>2010</b> , 3, 123-4	2
1776	Journè d'actualité en diabétologie 2009. <b>2010</b> , 4, 333-336	
1775	Regulation of mRNA translation as a conserved mechanism of longevity control. <b>2010</b> , 694, 14-29	34
1774	Bioinformatics in aging research: a workshop report. <b>2010</b> , 13, 763-7	2
1773	Aging and the Effect of Calorie Restriction in Rhesus Monkeys. <b>2010</b> , 55-78	2
1772	Aging control with resveratrol. <b>2010</b> , 7, 51-56	2
1771	Pharmacological manipulations of CNS sirtuins: potential effects on metabolic homeostasis. <b>2010</b> , 62, 48-54	7
1770	Mini-review: impact of recurrent hypoglycemia on cognitive and brain function. <b>2010</b> , 100, 234-8	68
1769	Age-related changes in neural volume and microstructure associated with interleukin-6 are ameliorated by a calorie-restricted diet in old rhesus monkeys. <b>2010</b> , 51, 987-94	46
1768	Conclusion: Human Calorie Restriction and Anti-aging Therapy. <b>2010</b> , 311-318	1



1767	Okinawa: A Naturally Calorie Restricted Population. <b>2010</b> , 43-53	2
1766	Hormesis as a pro-healthy aging intervention in human beings?. <b>2009</b> , 8, 28-33	9
1765	The era of antiaging ophthalmology comes of age: antiaging approach for dry eye treatment. <b>2010</b> , 44, 146-54	17
1764	Energy balance, host-related factors, and cancer progression. <b>2010</b> , 28, 4058-65	187
1763	Exercise as a calorie restriction mimetic: implications for improving healthy aging and longevity. <b>2010</b> , 37, 157-74	19
1762	Pharmacological mimicking of caloric restriction elicits epigenetic reprogramming of differentiated cells to stem-like self-renewal states. <b>2010</b> , 13, 519-26	14
1761	Extending healthy life span--from yeast to humans. <i>Science</i> , <b>2010</b> , 328, 321-6	33.3 2029
1760	Dietary methionine restriction improves colon tight junction barrier function and alters claudin expression pattern. <b>2010</b> , 299, C1028-35	35
1759	Trade-offs between cancer and other diseases: do they exist and influence longevity?. <b>2010</b> , 13, 387-96	31
1758	Mosaic aging. <b>2010</b> , 74, 1048-51	28
1757	Caloric restriction alleviates abnormal locomotor activity and dopamine levels in the brain of the methionine sulfoxide reductase A knockout mouse. <b>2010</b> , 468, 38-41	14
1756	Effects of aging and every-other-day feeding on the levels of oxygen radicals in rat brain slices. <b>2010</b> , 469, 84-7	
1755	Auditory function in rhesus monkeys: effects of aging and caloric restriction in the Wisconsin monkeys five years later. <b>2010</b> , 261, 75-81	28
1754	The molecular basis of longevity, and clinical implications. <b>2010</b> , 65, 87-91	25
1753	Reproductive aging and risk for chronic disease: Insights from studies of nonhuman primates. <b>2010</b> , 67, 7-14	23
1752	Chronic alternate-day fasting results in reduced diastolic compliance and diminished systolic reserve in rats. <b>2010</b> , 16, 843-53	23
1751	Sirtuin activators: designing molecules to extend life span. <b>2010</b> , 1799, 740-9	61
1750	Metabolic networks of longevity. <i>Cell</i> , <b>2010</b> , 142, 9-14	56.2 153

1749	Sirt3 mediates reduction of oxidative damage and prevention of age-related hearing loss under caloric restriction. <i>Cell</i> , <b>2010</b> , 143, 802-12	56.2	860
1748	Mechanisms of life span extension by rapamycin in the fruit fly <i>Drosophila melanogaster</i> . <b>2010</b> , 11, 35-46		709
1747	With TOR, less is more: a key role for the conserved nutrient-sensing TOR pathway in aging. <b>2010</b> , 11, 453-65		500
1746	Calorie restriction reduces oxidative stress by SIRT3-mediated SOD2 activation. <b>2010</b> , 12, 662-7		929
1745	Epigenetic regulation in the pathophysiology of Alzheimer's disease. <b>2010</b> , 90, 498-510		200
1744	Stress-induced obesity and the emotional nervous system. <b>2010</b> , 21, 159-65		515
1743	Metabolic reprogramming, caloric restriction and aging. <b>2010</b> , 21, 134-41		191
1742	Calorie restriction and cancer prevention: metabolic and molecular mechanisms. <b>2010</b> , 31, 89-98		269
1741	[Dietary restriction and aging: a matter of calories?]. <b>2010</b> , 45, 232-8		0
1740	Rhesus macaque brain morphometry: a methodological comparison of voxel-wise approaches. <b>2010</b> , 50, 157-65		61
1739	Revisiting the antagonistic pleiotropy theory of aging: TOR-driven program and quasi-program. <b>2010</b> , 9, 3151-6		119
1738	Increasing healthy lifespan by suppressing aging in our lifetime: preliminary proposal. <b>2010</b> , 9, 4788-94		51
1737	Caloric restriction: from soup to nuts. <b>2010</b> , 9, 324-53		129
1736	Predicting whether dietary restriction would increase longevity in species not tested so far. <b>2010</b> , 9, 289-97		30
1735	Lifelong protection from global cerebral ischemia and reperfusion in long-lived Mcl1(+/-) mutants. <b>2010</b> , 223, 557-65		11
1734	Rapamycin extends maximal lifespan in cancer-prone mice. <b>2010</b> , 176, 2092-7		203
1733	Adipokine profile and insulin sensitivity in formerly obese women subjected to bariatric surgery or diet-induced long-term caloric restriction. <b>2010</b> , 65, 915-23		28
1732	Dietary interventions to extend life span and health span based on calorie restriction. <b>2010</b> , 65, 695-703		81

1731	From estrogen-centric to aging and oxidative stress: a revised perspective of the pathogenesis of osteoporosis. <b>2010</b> , 31, 266-300	742
1730	Circadian rhythms, aging, and life span in mammals. <b>2011</b> , 26, 225-35	95
1729	Reduced mitogenicity of sera following weight loss in premenopausal women. <b>2011</b> , 63, 916-23	3
1728	Protective roles of SIRT1 in atherosclerosis. <b>2011</b> , 10, 640-7	179
1727	Insulin signaling and insulin sensitizing in muscle and liver of obese monkeys: peroxisome proliferator-activated receptor gamma agonist improves defective activation of atypical protein kinase C. <b>2011</b> , 14, 207-19	11
1726	Relationship between plasma ghrelin, insulin, leptin, interleukin 6, adiponectin, testosterone and longevity in the Baltimore Longitudinal Study of Aging. <b>2011</b> , 23, 153-8	23
1725	The biology of aging: 1985-2010 and beyond. <b>2011</b> , 25, 3756-62	62
1724	The association of elevated body mass index with reduced brain volumes in first-episode mania. <b>2011</b> , 70, 381-7	52
1723	Oxidative stress as pathogenesis of cardiovascular risk associated with metabolic syndrome. <b>2011</b> , 15, 1911-26	125
1722	Autophagy as a therapeutic target in cancer. <b>2011</b> , 11, 157-68	252
1721	Mitochondrial sirtuins in the regulation of mitochondrial activity and metabolic adaptation. <b>2011</b> , 206, 163-88	76
1720	The Protective Role of Sestrins Against Chronic TOR Activation and Oxidative Stress. <b>2011</b> , 337-346	
1719	Diabetes - Perspectives in Drug Therapy. <b>2011</b> ,	6
1718	Calorie restriction up-regulates iron and copper transport genes in <i>Saccharomyces cerevisiae</i> . <b>2011</b> , 7, 394-402	8
1717	Sirtuins as Potential Drug Targets for Metabolic Diseases. <b>2011</b> , 391-422	
1716	Understanding Forkhead box class O function: lessons from <i>Drosophila melanogaster</i> . <b>2011</b> , 14, 635-47	48
1715	Histone Deacetylases: the Biology and Clinical Implication. <b>2011</b> ,	4
1714	Anti-aging medicine: molecular basis for endothelial cell-targeted strategies - a mini-review. <b>2011</b> , 57, 101-8	27

1713	Aging in the natural world: comparative data reveal similar mortality patterns across primates. <i>Science</i> , <b>2011</b> , 331, 1325-8	33.3	158
1712	Energy metabolism and ageing regulation: metabolically driven deamidation of triosephosphate isomerase may contribute to proteostatic dysfunction. <b>2011</b> , 10, 498-502		21
1711	Autophagy and aging. <i>Cell</i> , <b>2011</b> , 146, 682-95	56.2	1506
1710	Deletion of the mammalian INDY homolog mimics aspects of dietary restriction and protects against adiposity and insulin resistance in mice. <b>2011</b> , 14, 184-95		145
1709	Dietary restriction and aging: a unifying perspective. <b>2011</b> , 14, 154-60		130
1708	Clinical Nutrition University: Muscle physiology and bioenergetics. <b>2011</b> , 6, e158-e164		2
1707	Calorie restriction and resveratrol in cardiovascular health and disease. <b>2011</b> , 1812, 1477-89		119
1706	Caloric restriction attenuates age-related changes of DNA methyltransferase 3a in mouse hippocampus. <b>2011</b> , 25, 616-23		72
1705	Sir-2.1 modulates 'calorie-restriction-mediated' prevention of neurodegeneration in <i>Caenorhabditis elegans</i> : implications for Parkinson's disease. <b>2011</b> , 413, 306-10		39
1704	Caloric restriction: powerful protection for the aging heart and vasculature. <b>2011</b> , 301, H1205-19		127
1703	Dietary restriction modifies certain aspects of the postoperative acute phase response. <b>2011</b> , 171, 582-9		10
1702	Caloric restriction. <b>2011</b> , 32, 159-221		513
1701	Hormesis, cellular stress response and vitagenes as critical determinants in aging and longevity. <b>2011</b> , 32, 279-304		163
1700	The extra-hypothalamic actions of ghrelin on neuronal function. <b>2011</b> , 34, 31-40		142
1699	Energy metabolism in adult neural stem cell fate. <b>2011</b> , 93, 182-203		210
1698	Between destiny and disease: genetics and molecular pathways of human central nervous system aging. <b>2011</b> , 93, 165-81		60
1697	Effects of aging and calorie restriction on white matter in rhesus macaques. <b>2011</b> , 32, 2319.e1-11		34
1696	The effects of transient starvation persist through direct interactions between CaMKII and ether-a-go-go K <sup>+</sup> channels in <i>C. elegans</i> males. <b>2011</b> , 175, 1-17		18

1695	No paradox, no progress: inverse cancer comorbidity in people with other complex diseases. <b>2011</b> , 12, 604-8		103
1694	HIV infection, inflammation, immunosenescence, and aging. <b>2011</b> , 62, 141-55		881
1693	Dementia and Alzheimer's disease: a new direction. The 2010 Jay L. Foster Memorial Lecture. <b>2011</b> , 7, 540-50		21
1692	Higher energy expenditure in humans predicts natural mortality. <b>2011</b> , 96, E972-6		31
1691	Angiotensin II blockade: a strategy to slow ageing by protecting mitochondria?. <b>2011</b> , 89, 31-40		100
1690	Metformin as a geroprotector. <b>2011</b> , 14, 469-82		32
1689	Genome sequence and global sequence variation map with 5.5 million SNPs in Chinese rhesus macaque. <b>2011</b> , 12, R63		29
1688	Prevention of maternal aging-associated oocyte aneuploidy and meiotic spindle defects in mice by dietary and genetic strategies. <b>2011</b> , 108, 12319-24		143
1687	The role of mammalian sirtuins in the regulation of metabolism, aging, and longevity. <b>2011</b> , 206, 125-62		114
1686	Fighting neurodegeneration with rapamycin: mechanistic insights. <b>2011</b> , 12, 437-52		371
1685	[Longevity genes and successful aging]. <b>2011</b> , 48, 120-2		
1684	Hypothalamic lipophagy and energetic balance. <i>Aging</i> , <b>2011</b> , 3, 934-42	5.6	13
1683	Hormesis does not make sense except in the light of TOR-driven aging. <i>Aging</i> , <b>2011</b> , 3, 1051-62	5.6	63
1682	Gut Hormones Restrict Neurodegeneration in Parkinson's Disease. <b>2011</b> ,		2
1681	. <b>2011</b> ,		1
1680	Comparative Genetics of Aging. <b>2011</b> , 215-241		
1679	Gerosuppressant metformin: less is more. <i>Aging</i> , <b>2011</b> , 3, 348-62	5.6	50
1678	Role of the Somatotrophic Axis in Mammalian Aging. <b>2011</b> , 25-45		2

1677	Leukocyte Telomere Dynamics, Human Aging, and Life Span. <b>2011</b> , 163-176	1
1676	Aging and Insulin Secretion. <b>2011</b> , 373-384	3
1675	Calorie Restriction in Nonhuman and Human Primates. <b>2011</b> , 447-461	1
1674	Cognitive performances are selectively enhanced during chronic caloric restriction or resveratrol supplementation in a primate. <b>2011</b> , 6, e16581	95
1673	Effect of calorie restriction on change in lacrimal gland with age. <b>2011</b> , 30 Suppl 1, S29-33	10
1672	Customizing preoperative fasting protocols to reduce ischemia/reperfusion injury. <b>2011</b> , 92, 726-7	1
1671	Glucose reduction prevents replicative senescence and increases mitochondrial respiration in human mesenchymal stem cells. <b>2011</b> , 20, 813-25	54
1670	Polyphenol Resveratrol Alters Global Patterns of Gene Regulation and Improves Physiology through Multiple Potential Pathways. <b>2011</b> , 185-196	
1669	The biology of ageing. 21-47	14
1668	Comparative endocrinology of aging and longevity regulation. <b>2011</b> , 2, 75	16
1667	Pre-operative dietary restriction is feasible in live-kidney donors. <b>2011</b> , 25, 486-94	20
1666	Cardiovascular protection afforded by caloric restriction: essential role of nitric oxide synthase. <b>2011</b> , 11, 143-56	23
1665	Effects of rapamycin and TOR on aging and memory: implications for Alzheimer's disease. <b>2011</b> , 117, 927-36	35
1664	Pyruvate imbalance mediates metabolic reprogramming and mimics lifespan extension by dietary restriction in <i>Caenorhabditis elegans</i> . <b>2011</b> , 10, 39-54	58
1663	Familial longevity is marked by enhanced insulin sensitivity. <b>2011</b> , 10, 114-21	88
1662	The H3K27 demethylase UTX-1 regulates <i>C. elegans</i> lifespan in a germline-independent, insulin-dependent manner. <b>2011</b> , 10, 980-90	173
1661	Seeking gene candidates responsible for developmental origins of health and disease. <b>2011</b> , 51, 110-25	17
1660	New paradigms in chronic intestinal inflammation and colon cancer: role of melatonin. <b>2011</b> , 51, 44-60	88

1659	NRF2, cancer and calorie restriction. <b>2011</b> , 30, 505-20		99
1658	Fasting vs dietary restriction in cellular protection and cancer treatment: from model organisms to patients. <b>2011</b> , 30, 3305-16		194
1657	Resveratrol and life extension. <b>2011</b> , 1215, 138-43		126
1656	Diabetes, cancer, and metformin: connections of metabolism and cell proliferation. <b>2011</b> , 1243, 54-68		139
1655	Mitochondrial response to controlled nutrition in health and disease. <b>2011</b> , 69, 65-75		39
1654	Brain molecular aging, promotion of neurological disease and modulation by sirtuin 5 longevity gene polymorphism. <b>2011</b> , 41, 279-90		72
1653	Discriminating between energetic content and dietary composition as an explanation for dietary restriction effects. <b>2011</b> , 57, 1670-6		14
1652	Pathways linking the early environment to long-term health and lifespan. <b>2011</b> , 106, 323-36		100
1651	At the stem of youth and health. <b>2011</b> , 129, 3-20		34
1650	Alternate-day fasting reverses the age-associated hypertrophy phenotype in rat heart by influencing the ERK and PI3K signaling pathways. <i>Mechanisms of Ageing and Development</i> , <b>2011</b> , 132, 305-14	5.6	17
1649	Quick and reliable assessment of chronological life span in yeast cell populations by flow cytometry. <i>Mechanisms of Ageing and Development</i> , <b>2011</b> , 132, 315-23	5.6	37
1648	Trinations aging symposium. <i>Mechanisms of Ageing and Development</i> , <b>2011</b> , 132, 348-52	5.6	1
1647	Mechanisms of Action Involved in Ozone Therapy: Is healing induced via a mild oxidative stress?. <b>2011</b> , 1, 29		164
1646	Primates and the evolution of long, slow life histories. <b>2011</b> , 21, R708-17		129
1645	TOR on the brain. <b>2011</b> , 46, 155-63		101
1644	Caloric restriction delays aging-induced cellular phenotypes in rhesus monkey skeletal muscle. <b>2011</b> , 46, 23-9		73
1643	A high throughput screening assay for determination of chronological lifespan of yeast. <b>2011</b> , 46, 915-22		15
1642	SIRT1 and AMPK in regulating mammalian senescence: a critical review and a working model. <b>2011</b> , 585, 986-94		121

1641	Calorie restriction and prevention of age-associated chronic disease. <b>2011</b> , 585, 1537-42	194
1640	Extending life span by increasing oxidative stress. <b>2011</b> , 51, 327-36	527
1639	Mitochondrial longevity pathways. <b>2011</b> , 1813, 634-44	58
1638	Death and dessert: nutrient signalling pathways and ageing. <b>2011</b> , 23, 738-43	45
1637	Strategies for the discovery of anti-aging compounds. <b>2011</b> , 6, 89-102	22
1636	Methionine and homocysteine modulate the rate of ROS generation of isolated mitochondria in vitro. <b>2011</b> , 43, 377-86	26
1635	Hormetics: dietary triggers of an adaptive stress response. <b>2011</b> , 28, 2680-94	74
1634	Is cellular senescence important in pediatric kidney disease?. <b>2011</b> , 26, 2121-31	5
1633	An evolutionary comparative scan for longevity-related oxidative stress resistance mechanisms in homeotherms. <b>2011</b> , 12, 409-35	49
1632	[Lifestyle and cognition: what do we know from the aging and neurodegenerative brain?]. <b>2011</b> , 82, 1566-77	5
1631	Aging and TOR: interwoven in the fabric of life. <b>2011</b> , 68, 587-97	26
1630	The effects of caloric restriction on health and longevity. <b>2011</b> , 13, 326-34	2
1629	Ageing, neuronal connectivity and brain disorders: an unsolved ripple effect. <b>2011</b> , 43, 124-30	37
1628	Nucleic acid therapy for lifespan prolongation: present and future. <b>2011</b> , 36, 725-9	21
1627	Caloric restriction or resveratrol supplementation and ageing in a non-human primate: first-year outcome of the RESTRIKAL study in <i>Microcebus murinus</i> . <b>2011</b> , 33, 15-31	46
1626	How pleiotropic genetics of the musculoskeletal system can inform genomics and phenomics of aging. <b>2011</b> , 33, 49-62	20
1625	Plasma biomarkers of mouse aging. <b>2011</b> , 33, 291-307	25
1624	Translational research: lessons from past research, growing up nowadays, and development goal in future. <b>2011</b> , 54, 1085-8	6



1623	Aging and cancer: can mTOR inhibitors kill two birds with one drug?. <b>2011</b> , 6, 41-51	20
1622	Epigenetic regulation of caloric restriction in aging. <b>2011</b> , 9, 98	127
1621	Calorie restriction and stroke. <b>2011</b> , 3, 8	46
1620	Characterization of single-nucleotide variation in Indian-origin rhesus macaques ( <i>Macaca mulatta</i> ). <b>2011</b> , 12, 311	27
1619	The 17th Annual Prostate Cancer Foundation scientific retreat: meeting report. <b>2011</b> , 71, 1616-20	
1618	Preoperative fasting protects mice against hepatic ischemia/reperfusion injury: mechanisms and effects on liver regeneration. <b>2011</b> , 17, 695-704	39
1617	Longitudinal study of radiographic spinal osteoarthritis in a macaque model. <b>2011</b> , 29, 1152-60	13
1616	Diet restriction and life history trade-offs in short- and long-lived species of <i>Daphnia</i> . <b>2011</b> , 315, 610-7	12
1615	Running on empty: does mitochondrial DNA mutation limit replicative lifespan in yeast?: Mutations that increase the division rate of cells lacking mitochondrial DNA also extend replicative lifespan in <i>Saccharomyces cerevisiae</i> . <b>2011</b> , 33, 742-8	3
1614	Reduced expression of SIRT1 is associated with diminished glucose-induced insulin secretion in islets from calorie-restricted rats. <b>2011</b> , 22, 554-9	17
1613	Reproductive experience may positively adjust the trajectory of senescence. <b>2012</b> , 10, 317-45	15
1612	A genomic analysis of chronological longevity factors in budding yeast. <b>2011</b> , 10, 1385-96	74
1611	Nonhuman primate calorie restriction. <b>2011</b> , 14, 229-39	51
1610	Calorie restriction: is AMPK a key sensor and effector?. <b>2011</b> , 26, 214-24	178
1609	Cognitive dysfunction with aging and the role of inflammation. <b>2011</b> , 2, 175-95	108
1608	Computational biology for ageing. <b>2011</b> , 366, 51-63	30
1607	The nature of nutrition: a unifying framework. <b>2011</b> , 59, 350	50
1606	Challenges and new opportunities for clinical nutrition interventions in the aged. <b>2011</b> , 141, 535-41	16

1605	Genetic reduction of insulin-like growth factor-1 mimics the anticancer effects of calorie restriction on cyclooxygenase-2-driven pancreatic neoplasia. <b>2011</b> , 4, 1030-40	48
1604	Calorie restriction and aging in nonhuman primates. <b>2011</b> , 52, 66-77	73
1603	The potential role of epigenetic responses to diet in ageing. <b>2011</b> , 70, 374-84	26
1602	Why do our kidneys get old?. <b>2011</b> , 119 Suppl 1, e1-5	8
1601	The pharmacological treatment and management of obesity. <b>2011</b> , 123, 34-44	31
1600	Mitochondrial DNA damage and animal longevity: insights from comparative studies. <b>2011</b> , 2011, 807108	20
1599	Vulnerability of the fetal primate brain to moderate reduction in maternal global nutrient availability. <b>2011</b> , 108, 3011-6	119
1598	Gender-specific prandial response to dietary restriction and oxidative stress in <i>Drosophila melanogaster</i> . <b>2011</b> , 5, 174-80	10
1597	The marmoset as a model of aging and age-related diseases. <b>2011</b> , 52, 54-65	159
1596	Design and conduct of the CALERIE study: comprehensive assessment of the long-term effects of reducing intake of energy. <b>2011</b> , 66, 97-108	122
1595	Caloric restriction primes mitochondria for ischemic stress by deacetylating specific mitochondrial proteins of the electron transport chain. <b>2011</b> , 109, 396-406	78
1594	Reduced insulin-like growth factor-I serum levels in formerly obese women subjected to laparoscopic-adjustable gastric banding or diet-induced long-term caloric restriction. <b>2011</b> , 66, 1169-77	11
1593	Dietary restriction ameliorates diabetic nephropathy through anti-inflammatory effects and regulation of the autophagy via restoration of Sirt1 in diabetic Wistar fatty (fa/fa) rats: a model of type 2 diabetes. <b>2011</b> , 2011, 908185	159
1592	The phytochemical glaucarubinone promotes mitochondrial metabolism, reduces body fat, and extends lifespan of <i>Caenorhabditis elegans</i> . <b>2011</b> , 43, 241-3	35
1591	Caloric restriction mimetic 2-deoxyglucose antagonizes doxorubicin-induced cardiomyocyte death by multiple mechanisms. <b>2011</b> , 286, 21993-2006	51
1590	Telomere dynamics in rhesus monkeys: no apparent effect of caloric restriction. <b>2011</b> , 66, 1163-8	31
1589	Activation of genes involved in xenobiotic metabolism is a shared signature of mouse models with extended lifespan. <b>2012</b> , 303, E488-95	68
1588	Energy intake and leukocyte telomere length in young adults. <b>2012</b> , 95, 479-87	61

1587	Geroprotection: A promising future. <b>2012</b> , 3, 56-8	3
1586	Nutraceuticals and Cancer. <b>2012</b> ,	5
1585	Age-related increase in levels of 5-hydroxymethylcytosine in mouse hippocampus is prevented by caloric restriction. <b>2012</b> , 9, 536-44	68
1584	Down-regulating sphingolipid synthesis increases yeast lifespan. <b>2012</b> , 8, e1002493	86
1583	Caloric restriction extends yeast chronological lifespan by altering a pattern of age-related changes in trehalose concentration. <b>2012</b> , 3, 256	54
1582	Emerging role of autophagy in kidney function, diseases and aging. <b>2012</b> , 8, 1009-31	195
1581	Calorie restriction reduces the influence of glucoregulatory dysfunction on regional brain volume in aged rhesus monkeys. <b>2012</b> , 61, 1036-42	38
1580	Brain Aging and Therapeutic Interventions. <b>2012</b> ,	4
1579	The effect of long term calorie restriction on in vivo hepatic proteostasis: a novel combination of dynamic and quantitative proteomics. <b>2012</b> , 11, 1801-14	59
1578	Dietary methyl donor depletion protects against intestinal tumorigenesis in Apc(Min/+) mice. <b>2012</b> , 5, 911-20	16
1577	Metabolic benefits of inhibiting cAMP-PDEs with resveratrol. <b>2012</b> , 1, 256-258	24
1576	Comprehensive modulation of tumor progression and regression with periodic fasting and refeeding circles via boosting IGFBP-3 loops and NK responses. <b>2012</b> , 153, 4622-32	5
1575	Cholesterol and late-life cognitive decline. <b>2012</b> , 30 Suppl 2, S147-62	57
1574	Life Extension and Mental Ageing. <b>2012</b> , 41, 455-477	7
1573	A calorie-restricted diet decreases brain iron accumulation and preserves motor performance in old rhesus monkeys. <b>2012</b> , 32, 11897-904	28
1572	Resveratrol: Potential Benefits on Aging and Heart Disease. <b>2012</b> , 6, 390-392	
1571	SIRT3 protein deacetylates isocitrate dehydrogenase 2 (IDH2) and regulates mitochondrial redox status. <b>2012</b> , 287, 14078-86	284
1570	Drugs, nutrients, and phytoactive principles improving the health span of rodent models of human age-related diseases. <b>2012</b> , 67, 140-51	10

1569	Aging, atherosclerosis, and IGF-1. <b>2012</b> , 67, 626-39	133
1568	The contentious history of sirtuin debates. <b>2012</b> , 3, e0022	11
1567	Skeletal muscle mitochondria and aging: a review. <b>2012</b> , 2012, 194821	168
1566	Nicotinamide, NAD(P)(H), and Methyl-Group Homeostasis Evolved and Became a Determinant of Ageing Diseases: Hypotheses and Lessons From Pellagra. <b>2012</b> , 2012, 302875	27
1565	Mitochondrial dysregulation in the pathogenesis of diabetes: potential for mitochondrial biogenesis-mediated interventions. <b>2012</b> , 2012, 642038	82
1564	Behavioral Neurobiology of Aging. <b>2012</b> ,	
1563	Surgical stress resistance induced by single amino acid deprivation requires Gcn2 in mice. <b>2012</b> , 4, 118ra11	109
1562	Chemoprevention with phytonutrients and microalgae products in chronic inflammation and colon cancer. <b>2012</b> , 18, 3939-65	41
1561	Interspecies Chemical Signals Released into the Environment May Create Xenohormetic, Hormetic and Cytostatic Selective Forces that Drive the Ecosystemic Evolution of Longevity Regulation Mechanisms. <b>2012</b> , 10, 75-82	10
1560	?????????????????. <b>2012</b> , 9, 15-16	
1559	Mitochondrial Regulation by Protein Acetylation. <b>2012</b> , 269-298	1
1558	Mitochondria and organismal longevity. <b>2012</b> , 13, 519-32	60
1557	Sex differences in spinal osteoarthritis in humans and rhesus monkeys ( <i>Macaca mulatta</i> ). <b>2012</b> , 37, 915-22	16
1556	The antiaging approach for the treatment of dry eye. <b>2012</b> , 31 Suppl 1, S3-8	28
1555	Role of autophagy in aging. <b>2012</b> , 60, 242-7	46
1554	Perspectives of Targeting mTORC1-S6K1 in Cardiovascular Aging. <b>2012</b> , 3, 5	24
1553	Calorie restriction from a young age preserves the functions of pancreatic $\beta$ cells in aging rats. <b>2012</b> , 227, 245-52	16
1552	Resveratrol as a calorie restriction mimetic: therapeutic implications. <b>2012</b> , 22, 546-54	147

1551	Severe caloric restriction in young women during World War II and subsequent breast cancer risk. <b>2012</b> , 66, 948-58	6
1550	Dietary restriction attenuates age-associated muscle atrophy by lowering oxidative stress in mice even in complete absence of CuZnSOD. <b>2012</b> , 11, 770-82	70
1549	Dietary restriction: critical co-factors to separate health span from life span benefits. <b>2012</b> , 15, 523-9	7
1548	Prospective treatment of age-related diseases by slowing down aging. <b>2012</b> , 181, 1142-6	80
1547	The role of DNA exonucleases in protecting genome stability and their impact on ageing. <b>2012</b> , 34, 1317-40	24
1546	Energy intake and exercise as determinants of brain health and vulnerability to injury and disease. <b>2012</b> , 16, 706-22	283
1545	Aging biology: a new frontier for drug discovery. <b>2012</b> , 7, 217-29	18
1544	Analysis of glucose metabolism in cynomolgus monkeys during aging. <b>2012</b> , 13, 147-55	15
1543	mTOR signalling: the molecular interface connecting metabolic stress, aging and cardiovascular diseases. <b>2012</b> , 13 Suppl 2, 58-68	70
1542	Protein:carbohydrate ratios explain life span patterns found in Queensland fruit fly on diets varying in yeast:sugar ratios. <b>2012</b> , 34, 1361-8	68
1541	Skeletal effects of long-term caloric restriction in rhesus monkeys. <b>2012</b> , 34, 1133-43	16
1540	Of mice and men: the benefits of caloric restriction, exercise, and mimetics. <b>2012</b> , 11, 390-8	219
1539	Red wine and equivalent oral pharmacological doses of resveratrol delay vascular aging but do not extend life span in rats. <b>2012</b> , 224, 136-42	53
1538	Yeast as a model to understand the interaction between genotype and the response to calorie restriction. <b>2012</b> , 586, 2868-73	21
1537	SIRT5 deacetylates and activates urate oxidase in liver mitochondria of mice. <b>2012</b> , 586, 4076-81	43
1536	Heat and starvation induced hormesis in longevity of <i>Oomyzus sokolowskii</i> (Kurdjumov) (Hymenoptera: Eulophidae) adult females. <b>2012</b> , 37, 696-701	2
1535	Insulin resistance and aging: a cause or a protective response?. <b>2012</b> , 67, 1329-31	51
1534	Restriction de nourriture, longvit'et vieillissement. <b>2012</b> , 47, 85-92	3

1533	Brain aging and late-onset Alzheimer's disease: many open questions. <b>2012</b> , 24 Suppl 1, S3-9	17
1532	Genome-environment interactions that modulate aging: powerful targets for drug discovery. <b>2012</b> , 64, 88-101	92
1531	Life span of common marmoset ( <i>Callithrix jacchus</i> ) at CLEA Japan breeding colony. <b>2012</b> , 13, 439-43	48
1530	Effect of caloric intake on Western-style diet-induced intestinal tumors in a mouse model for hereditary colon cancer. <b>2012</b> , 64, 401-8	2
1529	Childhood obesity: a life-long health risk. <b>2012</b> , 33, 189-93	67
1528	Homocysteine, neural atrophy, and the effect of caloric restriction in rhesus monkeys. <b>2012</b> , 33, 670-80	16
1527	Prevention of age-related changes in hippocampal levels of 5-methylcytidine by caloric restriction. <b>2012</b> , 33, 1672-81	57
1526	Impact of aging and diet restriction on retinal function during and after acute intraocular pressure injury. <b>2012</b> , 33, 1126.e15-25	53
1525	Metabolic actions of hypothalamic SIRT1. <b>2012</b> , 23, 179-85	42
1524	Loss of AMP-activated protein kinase- $\alpha$ impairs the insulin-sensitizing effect of calorie restriction in skeletal muscle. <b>2012</b> , 61, 1051-61	75
1523	Beyond interventions: caloric restriction as a scientific model. <b>2012</b> , 74, 665-6	2
1522	A meta-analysis of caloric restriction gene expression profiles to infer common signatures and regulatory mechanisms. <b>2012</b> , 8, 1339-49	69
1521	S6K links cell fate, cell cycle and nutrient response in <i>C. elegans</i> germline stem/progenitor cells. <b>2012</b> , 139, 859-70	68
1520	Comparative and meta-analytic insights into life extension via dietary restriction. <b>2012</b> , 11, 401-9	152
1519	Caloric restriction may reverse age-related autonomic decline in humans. <b>2012</b> , 11, 644-50	64
1518	mTOR. <i>Methods in Molecular Biology</i> , <b>2012</b> ,	1.4 4
1517	Nutraceuticals in Human Urinary Bladder Cancer Prevention and Treatment. <b>2012</b> , 151-169	
1516	Dietary restriction in rats and mice: a meta-analysis and review of the evidence for genotype-dependent effects on lifespan. <b>2012</b> , 11, 254-70	147

1515	Can we live longer by eating less? A review of caloric restriction and longevity. <b>2012</b> , 71, 315-9		42
1514	The role of SirT1 in muscle mitochondrial turnover. <b>2012</b> , 12, 5-13		39
1513	Dietary restriction increases site-specific histone H3 acetylation in rat liver: possible modulation by sirtuins. <b>2012</b> , 418, 836-40		15
1512	Neuroprotection in metabolism-based therapy. <b>2012</b> , 100, 286-94		21
1511	Biogeochemistry: Drought and tropical soil emissions. <i>Nature</i> , <b>2012</b> , 489, 211-2	50.4	2
1510	Advancing age is associated with gene expression changes resembling mTOR inhibition: evidence from two human populations. <i>Mechanisms of Ageing and Development</i> , <b>2012</b> , 133, 556-62	5.6	46
1509	Transcriptome analysis of a long-lived natural <i>Drosophila</i> variant: a prominent role of stress- and reproduction-genes in lifespan extension. <b>2012</b> , 13, 167		35
1508	Immune correlates of aging in outdoor-housed captive rhesus macaques ( <i>Macaca mulatta</i> ). <b>2012</b> , 9, 25		35
1507	Evidence of a metabolic memory to early-life dietary restriction in male C57BL/6 mice. <b>2012</b> , 1, 2		19
1506	Stress-associated H3K4 methylation accumulates during postnatal development and aging of rhesus macaque brain. <b>2012</b> , 11, 1055-64		36
1505	Epigenetic Epidemiology of Psychiatric Disorders. <b>2012</b> , 343-376		
1504	Diet and healthy aging. <b>2012</b> , 367, 2550-1		10
1503	Impact of caloric restriction on health and survival in rhesus monkeys from the NIA study. <i>Nature</i> , <b>2012</b> , 489, 318-21	50.4	813
1502	Ageing: Mixed results for dieting monkeys. <i>Nature</i> , <b>2012</b> , 489, 210-11	50.4	34
1501	Cardiac aging: from molecular mechanisms to significance in human health and disease. <b>2012</b> , 16, 1492-526		188
1500	Interventions: Live long and prosper. <i>Nature</i> , <b>2012</b> , 492, S18-20	50.4	8
1499	Diabetes mellitus and myocardial mitochondrial dysfunction: bench to bedside. <b>2012</b> , 8, 551-61		15
1498	Arthritis, Muscle, Adipose Tissue, and Bone Diseases of Nonhuman Primates. <b>2012</b> , 629-697		13

1497	The role of nutrition on epigenetic modifications and their implications on health. <b>2012</b> , 94, 2242-63		184
1496	SIRT1 in metabolic syndrome: where to target matters. <b>2012</b> , 136, 305-18		42
1495	[Human immunodeficiency virus infection as a model of premature aging: perspectives and implications]. <b>2012</b> , 139, 249-51		1
1494	Aging as a substrate of heart failure. <b>2012</b> , 60, 423-8		38
1493	A Biological Perspective of Ageing. <b>2012</b> , 11-21		
1492	Antia ageing Strategies. <b>2012</b> , 1575-1587		
1491	Analysis of aging in <i>Caenorhabditis elegans</i> . <b>2012</b> , 107, 353-81		40
1490	The mTOR signalling pathway in human cancer. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 1886-918	6.3	508
1489	Emerging beneficial roles of sirtuins in heart failure. <b>2012</b> , 107, 273		102
1488	Pathophysiology of the aging kidney and therapeutic interventions. <b>2012</b> , 35, 1121-8		30
1487	Mammalian target of rapamycin: a signaling kinase for every aspect of cellular life. <i>Methods in Molecular Biology</i> , <b>2012</b> , 821, 1-14	1.4	91
1486	Adaptive response, evidence of cross-resistance and its potential clinical use. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 10771-806	6.3	58
1485	Insulin-like Growth Factors and Cancer. <b>2012</b> ,		3
1484	Cellular Physiology and Metabolism of Physical Exercise. <b>2012</b> ,		1
1483	Advances in Mitochondrial Medicine. <b>2012</b> ,		10
1482	Neuronal dysfunction with aging and its amelioration. <b>2012</b> , 88, 266-82		9
1481	Gis1 and Rph1 regulate glycerol and acetate metabolism in glucose depleted yeast cells. <b>2012</b> , 7, e31577		28
1480	Effects of chronic calorie restriction or dietary resveratrol supplementation on insulin sensitivity markers in a primate, <i>Microcebus murinus</i> . <b>2012</b> , 7, e34289		57



1479	Activation of AMPK by the putative dietary restriction mimetic metformin is insufficient to extend lifespan in <i>Drosophila</i> . <b>2012</b> , 7, e47699	129
1478	Parkinson's disease: leucine-rich repeat kinase 2 and autophagy, intimate enemies. <b>2012</b> , 2012, 151039	4
1477	Nutraceutical interventions for promoting healthy aging in invertebrate models. <b>2012</b> , 2012, 718491	28
1476	Diet and aging. <b>2012</b> , 2012, 741468	54
1475	Brain volumetric and microstructural correlates of executive and motor performance in aged rhesus monkeys. <b>2012</b> , 4, 31	22
1474	Calorie restriction falters in the long run. <i>Nature</i> , <b>2012</b> , 488, 569	50.4 15
1473	A meta-analysis of the effects of energy intake on risk of digestive cancers. <b>2012</b> , 18, 7362-70	8
1472	[Metabolic homeostasis as the cornerstone of aging]. <b>2012</b> , 28, 311-5	1
1471	[Caloric restriction in primates: how efficient as an anti-aging approach?]. <b>2012</b> , 28, 1081-6	3
1470	Measurement of energy expenditure. <b>2012</b> , 58, 129-34	6
1469	Links between metabolism and cancer. <b>2012</b> , 26, 877-90	707
1468	What is "phenoptosis" and how to fight it?. <b>2012</b> , 77, 689-706	56
1467	FOXOs and sirtuins in vascular growth, maintenance, and aging. <b>2012</b> , 110, 1238-51	115
1466	Rapamycin-induced insulin resistance is mediated by mTORC2 loss and uncoupled from longevity. <i>Science</i> , <b>2012</b> , 335, 1638-43	33.3 829
1465	Are sirtuins viable targets for improving healthspan and lifespan?. <b>2012</b> , 11, 443-61	300
1464	Primate aging in the mammalian scheme: the puzzle of extreme variation in brain aging. <b>2012</b> , 34, 1075-91	51
1463	The caloric restriction paradigm: implications for healthy human aging. <b>2012</b> , 24, 101-6	107
1462	AMP-activated protein kinase, stress responses and cardiovascular diseases. <b>2012</b> , 122, 555-73	162

1461	Mitochondria and aging. <b>2012</b> , 942, 311-27	139
1460	The critical role of metabolic pathways in aging. <b>2012</b> , 61, 1315-22	489
1459	Growth factors, nutrient signaling, and cardiovascular aging. <b>2012</b> , 110, 1139-50	62
1458	Age-related cardiovascular disease and the beneficial effects of calorie restriction. <b>2012</b> , 17, 707-19	21
1457	Prolongevity effects of a botanical with oregano and cranberry extracts in Mexican fruit flies: examining interactions of diet restriction and age. <b>2012</b> , 34, 269-79	19
1456	Proteomic analysis of proteins associated with cellular senescence by calorie restriction in mesenchymal stem cells. <b>2012</b> , 48, 186-95	11
1455	Obesity and risk of vascular disease: importance of endothelium-dependent vasoconstriction. <b>2012</b> , 165, 591-602	69
1454	Caloric restriction and chronic inflammatory diseases. <b>2012</b> , 18, 16-31	44
1453	Nutrient restriction preserves calcium cycling and mitochondrial function in cardiac myocytes during ischemia and reperfusion. <b>2012</b> , 51, 445-51	3
1452	Aging increases mitochondrial DNA damage and oxidative stress in liver of rhesus monkeys. <b>2012</b> , 47, 29-37	65
1451	Cellular adaptation contributes to calorie restriction-induced preservation of skeletal muscle in aged rhesus monkeys. <b>2012</b> , 47, 229-36	43
1450	Calorie restriction in mice overexpressing UCP3: evidence that prior mitochondrial uncoupling alters response. <b>2012</b> , 47, 361-71	10
1449	Calorie restriction increases cerebral mitochondrial respiratory capacity in a NO-mediated mechanism: impact on neuronal survival. <b>2012</b> , 52, 1236-41	46
1448	Department of Veterans Affairs Geriatric Research, Education and Clinical Centers: translating aging research into clinical geriatrics. <b>2012</b> , 60, 1347-56	14
1447	Caloric restriction prevents visceral adipose tissue accumulation and maintains erectile function in aging rats. <b>2012</b> , 9, 2273-83	9
1446	Conjectures on some curious connections among social status, calorie restriction, hunger, fatness, and longevity. <b>2012</b> , 1264, 1-12	41
1445	From clock genes to telomeres in the regulation of the healthspan. <b>2012</b> , 70, 459-71	22
1444	Dietary restriction increases skeletal muscle mitochondrial respiration but not mitochondrial content in C57BL/6 mice. <i>Mechanisms of Ageing and Development</i> , <b>2012</b> , 133, 37-45	5.6 35

1443	Differential responses of white adipose tissue and brown adipose tissue to caloric restriction in rats. <i>Mechanisms of Ageing and Development</i> , <b>2012</b> , 133, 255-66	5.6	39
1442	Calorie restriction reduces psychological stress reactivity and its association with brain volume and microstructure in aged rhesus monkeys. <b>2012</b> , 37, 903-16		32
1441	Longevity. The allostatic load of dietary restriction. <b>2012</b> , 106, 51-7		9
1440	Epigenetic epidemiology in psychiatry: A translational neuroscience perspective. <b>2012</b> , 3,		3
1439	Extending healthy ageing: nutrient sensitive pathway and centenarian population. <b>2012</b> , 9, 9		50
1438	Molecular mechanisms for anti-aging by natural dietary compounds. <b>2012</b> , 56, 88-115		46
1437	Rhodiola rosea extracts and salidroside decrease the growth of bladder cancer cell lines via inhibition of the mTOR pathway and induction of autophagy. <b>2012</b> , 51, 257-67		88
1436	Targeting metabolism for cancer treatment and prevention: metformin, an old drug with multi-faceted effects. <b>2013</b> , 32, 1475-87		163
1435	Nephroprotective action of sirtuin 1 (SIRT1). <b>2013</b> , 69, 957-61		22
1434	Analysis of biomarkers of caloric restriction in aging cells. <i>Methods in Molecular Biology</i> , <b>2013</b> , 1048, 19-29.4		
1433	The use of calorie restriction mimetics to study aging. <i>Methods in Molecular Biology</i> , <b>2013</b> , 1048, 95-107 1.4		7
1432	Molecular mechanisms underlying genotype-dependent responses to dietary restriction. <b>2013</b> , 12, 1050-61		111
1431	Principles of Bioenergetics. <b>2013</b> ,		24
1430	Facts and controversies in our understanding of how caloric restriction impacts the mitochondrion. <b>2013</b> , 48, 1075-84		29
1429	Protein Quality Control in Neurodegenerative Diseases. <b>2013</b> ,		1
1428	Sirtuins in dermatology: applications for future research and therapeutics. <b>2013</b> , 305, 269-82		34
1427	Thyroid hormone signaling and homeostasis during aging. <b>2013</b> , 34, 556-89		67
1426	The 2010 ESPEN Sir David Cuthbertson Lecture: new and old proteins: clinical implications. <b>2013</b> , 32, 728-36		6

1425	Resveratrol in mammals: effects on aging biomarkers, age-related diseases, and life span. <b>2013</b> , 1290, 67-73	69
1424	Fasting or caloric restriction for healthy aging. <b>2013</b> , 48, 1003-5	73
1423	Dehydroepiandrosterone sulfate (DHEAS) as an endocrine marker of aging in calorie restriction studies. <b>2013</b> , 48, 1136-9	13
1422	An adipocentric perspective of resveratrol as a calorie restriction mimetic. <b>2013</b> , 1290, 122-9	15
1421	The key role of growth hormone-insulin-IGF-1 signaling in aging and cancer. <b>2013</b> , 87, 201-23	126
1420	Longevity in the red flour beetle <i>Tribolium castaneum</i> is enhanced by broccoli and depends on <i>nrf-2</i> , <i>jnk-1</i> and <i>foxo-1</i> homologous genes. <b>2013</b> , 8, 439-48	17
1419	Long-term calorie restriction decreases metabolic cost of movement and prevents decrease of physical activity during aging in rhesus monkeys. <b>2013</b> , 48, 1226-35	44
1418	The Biological Basis of Aging. <b>2013</b> , 1-19	1
1417	Structural modulation of gut microbiota in life-long calorie-restricted mice. <b>2013</b> , 4, 2163	305
1416	Interleukin-8 and interleukin-10, brain volume and microstructure, and the influence of calorie restriction in old rhesus macaques. <b>2013</b> , 35, 2215-27	43
1415	Calorie restriction and cancer prevention: a mechanistic perspective. <b>2013</b> , 1, 10	87
1414	Natural compounds with anti-ageing activity. <b>2013</b> , 30, 1412-37	81
1413	Sirtuins. <i>Methods in Molecular Biology</i> , <b>2013</b> ,	1.4 1
1412	Immunosenescence. <b>2013</b> ,	2
1411	Obesity, Inflammation and Cancer. <b>2013</b> ,	4
1410	Progress in genetics and genomics of nonhuman primates. Introduction. <b>2013</b> , 54, 77-81	7
1409	Therapeutic targeting of autophagy in disease: biology and pharmacology. <b>2013</b> , 65, 1162-97	178
1408	New findings rejuvenate age-old drug development field. <b>2013</b> , 19, 520-1	1

1407 Living labs open door to retirees who want to join studies. **2013**, 19, 521

1406 Dietary restriction of rodents decreases aging rate without affecting initial mortality rate -- a meta-analysis. **2013**, 12, 410-4 44

1405 Nutrition and the biology of human ageing: molecular mechanisms underlying ageing. **2013**, 17, 710-1 1

1404 The role of mitochondria in aging. **2013**, 123, 951-7 640

1403 Circadian aspects of energy metabolism and aging. **2013**, 12, 931-40 23

1402 The effects of caloric restriction against ethanol-induced oxidative and nitrosative cardiotoxicity and plasma lipids in rats. **2013**, 238, 1396-405 10

1401 Caloric Restriction to Moderate Senescence: Mechanisms and Clinical Utility. **2013**, 2, 239-246 7

1400 Genes, pathways and metabolism in ageing. **2013**, 10, e87-e93 2

1399 Aging and long-term caloric restriction regulate neuropeptide Y receptor subtype densities in the rat brain. **2013**, 47, 163-9 16

1398 Oxidative stress response elicited by mitochondrial dysfunction: implication in the pathophysiology of aging. **2013**, 238, 450-60 220

1397 Resilience in mental health: linking psychological and neurobiological perspectives. **2013**, 128, 3-20 197

1396 A fasting-responsive signaling pathway that extends life span in *C. elegans*. *Cell Reports*, **2013**, 3, 79-91 10.6 67

1395 Inferring the effective TOR-dependent network: a computational study in yeast. **2013**, 7, 84 3

1394 Memory consolidation [Mechanisms and opportunities for enhancement. **2013**, 4, 1

1393 Honeybees and cell lines as models of DNA methylation and aging in response to diet. **2013**, 48, 614-9 19

1392 Utilizing calorie restriction to evaluate the role of sirtuins in healthspan and lifespan of mice. *Methods in Molecular Biology*, **2013**, 1077, 303-11 1.4 7

1391 The effect of dietary restriction on longevity, fecundity, and antioxidant responses in the oriental fruit fly, *Bactrocera dorsalis* (Hendel) (Diptera: Tephritidae). **2013**, 59, 1008-16 19

1390 NAD<sup>+</sup> metabolism: a therapeutic target for age-related metabolic disease. **2013**, 48, 397-408 144

1389	The effects of caloric restriction on fetuin-A and cardiovascular risk factors in rats and humans: a randomized controlled trial. <b>2013</b> , 79, 356-63	43
1388	A divide-and-conquer assault on aging: mainstream at last. <b>2013</b> , 16, 257-8	5
1387	The Role of INDY in Metabolic Regulation. <b>2013</b> , 6, e201303020	25
1386	mTOR is a key modulator of ageing and age-related disease. <i>Nature</i> , <b>2013</b> , 493, 338-45	50.4 1078
1385	Aging signaling pathways and circadian clock-dependent metabolic derangements. <b>2013</b> , 24, 229-37	48
1384	Behavioral Response of Mothers and Infants to Variation in Maternal Condition: Adaptation, Compensation, and Resilience. <b>2013</b> , 281-302	42
1383	Mechanisms of diabetic complications. <b>2013</b> , 93, 137-88	1339
1382	The ageing ovary and uterus: new biological insights. <b>2013</b> , 19, 67-83	159
1381	Calorie restriction and SIRT3 trigger global reprogramming of the mitochondrial protein acetylome. <b>2013</b> , 49, 186-99	476
1380	Autophagy, polyphenols and healthy ageing. <b>2013</b> , 12, 237-52	111
1379	Genetics of longevity in model organisms: debates and paradigm shifts. <b>2013</b> , 75, 621-44	386
1378	The effect of resveratrol on lifespan depends on both gender and dietary nutrient composition in <i>Drosophila melanogaster</i> . <b>2013</b> , 35, 69-81	83
1377	Mechanisms that regulate stem cell aging and life span. <b>2013</b> , 12, 152-65	245
1376	Brain aging and calorie restriction in rhesus macaques. <b>2013</b> , 48, 695	
1375	Calorie restriction and resveratrol supplementation prevent age-related DNA and RNA oxidative damage in a non-human primate. <b>2013</b> , 48, 992-1000	23
1374	Dietary restriction attenuates the accelerated aging phenotype of Sod1(-/-) mice. <b>2013</b> , 60, 300-6	22
1373	Comment on: Effects of surgically-induced weight loss via Roux-en-Y gastric bypass on cardiovascular autonomic nerve function. <b>2013</b> , 9, 226-8	
1372	Nonhuman primate models of polycystic ovary syndrome. <b>2013</b> , 373, 21-8	78

1371	Slowing the aging process. <b>2013</b> , 29, 721-30	8
1370	Colon preneoplasia after carcinogen exposure is enhanced and colonic serotonergic system is suppressed by food deprivation. <b>2013</b> , 312, 123-31	10
1369	Age-related disparate shifts in the anorexic and hyperthermic effects of cholecystokinin (Cck): The influence of body composition. <b>2013</b> , 48, 694-695	
1368	Calorie-restriction and longevity. End of a dream, at least for primates?. <b>2013</b> , 4, 129-132	7
1367	Evaluation of longevity enhancing compounds against transactive response DNA-binding protein-43 neuronal toxicity. <b>2013</b> , 34, 2175-82	16
1366	New approaches to an age-old problem. <b>2013</b> , 24, 784-9	4
1365	Calorie restriction attenuates astrogliosis but not amyloid plaque load in aged rhesus macaques: a preliminary quantitative imaging study. <b>2013</b> , 1508, 1-8	17
1364	Practical and critical instruction for nonhuman primate diabetic models. <b>2013</b> , 45, 1856-65	6
1363	Astrocyte senescence as a component of Alzheimer's disease. <b>2013</b> , 48, 695-696	1
1362	Prolonged protein deprivation, but not food restriction, affects parvalbumin-containing interneurons in the dentate gyrus of adult rats. <b>2013</b> , 1522, 22-30	8
1361	Effect of chronic unpredictable stress on short term dietary restriction and its modulation by multivitamin-mineral supplementation. <b>2013</b> , 65, 68-74	4
1360	Genetic variation in responses to dietary restriction--an unbiased tool for hypothesis testing. <b>2013</b> , 48, 1025-9	20
1359	Embryogenesis, morphogens and cancer stem cells: putting the puzzle together. <b>2013</b> , 81, 643-9	2
1358	Beneficial effects of a 6-month dietary restriction are time-dependently abolished within 2 weeks or 6 months of refeeding-genome-wide transcriptome analysis in mouse liver. <b>2013</b> , 61, 170-8	27
1357	The adverse redox biochemistry of intramembrane thiols accounts for the lifespan-dependent cysteine depletion in the inner mitochondrial membrane of aerobic animals. <b>2013</b> , 48, 695	3
1356	Possible Medical Applications of Membrane Bioenergetics: Mitochondria-Targeted Antioxidants as Geroprotectors. <b>2013</b> , 355-382	
1355	Alterations of ultrastructural and fission/fusion markers in hepatocyte mitochondria from mice following calorie restriction with different dietary fats. <b>2013</b> , 68, 1023-34	32
1354	High carbohydrate-low protein consumption maximizes Drosophila lifespan. <b>2013</b> , 48, 1129-35	80

1353	Seven sirtuins for seven deadly diseases of aging. <b>2013</b> , 56, 133-71	272
1352	Maintaining good hearing: calorie restriction, Sirt3, and glutathione. <b>2013</b> , 48, 1091-5	35
1351	Current concepts in age-related hearing loss: epidemiology and mechanistic pathways. <b>2013</b> , 303, 30-8	330
1350	Anti-aging molecule, Sirt1: a novel therapeutic target for diabetic nephropathy. <b>2013</b> , 36, 230-6	50
1349	Metabolic and neuropsychiatric effects of calorie restriction and sirtuins. <b>2013</b> , 75, 669-84	61
1348	mTOR in aging, metabolism, and cancer. <b>2013</b> , 23, 53-62	350
1347	Sirtuins and renal diseases: relationship with aging and diabetic nephropathy. <b>2013</b> , 124, 153-64	154
1346	Lifespan extension in the spontaneous dwarf rat and enhanced resistance to hyperoxia-induced mortality. <b>2013</b> , 48, 457-63	6
1345	Cross-talk between SIRT1 and p66Shc in vascular diseases. <b>2013</b> , 23, 237-41	41
1344	Involvement of arterial baroreflex in the protective effect of dietary restriction against stroke. <b>2013</b> , 33, 906-13	18
1343	The GH/IGF-1 axis in ageing and longevity. <b>2013</b> , 9, 366-376	290
1342	Epigenomics and the regulation of aging. <b>2013</b> , 5, 205-27	42
1341	Mutant SOD1G93A triggers mitochondrial fragmentation in spinal cord motor neurons: neuroprotection by SIRT3 and PGC-1 $\beta$ . <b>2013</b> , 51, 72-81	149
1340	Linking the metabolic state and mitochondrial DNA in chronic disease, health, and aging. <b>2013</b> , 62, 672-8	69
1339	How ageing processes influence cancer. <b>2013</b> , 13, 357-65	199
1338	Microbiota-derived lactate accelerates colon epithelial cell turnover in starvation-refed mice. <b>2013</b> , 4, 1654	86
1337	The histone deacetylase, SIRT1, contributes to the resistance of young mice to ischemia/reperfusion-induced acute kidney injury. <b>2013</b> , 83, 404-13	100
1336	Dietary resveratrol prevents Alzheimer's markers and increases life span in SAMP8. <b>2013</b> , 35, 1851-65	171



1335	Insulin resistance: a risk marker for disease and disability in the older person. <b>2013</b> , 30, 535-48	38
1334	Transcriptional feedback in the insulin signalling pathway modulates ageing in both <i>Caenorhabditis elegans</i> and <i>Drosophila melanogaster</i> . <b>2013</b> , 9, 1756-64	4
1333	Queen Honeybee and Me: Forever Young? Conserved Pathways for Longevity. <b>2013</b> , 617-702	
1332	Aging epigenetics: causes and consequences. <b>2013</b> , 34, 765-81	71
1331	SIRT1 mediates the protective function of Nkx2.5 during stress in cardiomyocytes. <b>2013</b> , 108, 364	18
1330	Thyroid hormone regulation of Sirtuin 1 expression and implications to integrated responses in fasted mice. <b>2013</b> , 216, 181-93	27
1329	Pharmacological approaches to restore mitochondrial function. <b>2013</b> , 12, 465-83	258
1328	A dietary regimen of caloric restriction or pharmacological activation of SIRT1 to delay the onset of neurodegeneration. <b>2013</b> , 33, 8951-60	93
1327	Regulation of longevity and oxidative stress by nutritional interventions: role of methionine restriction. <b>2013</b> , 48, 1030-42	91
1326	Chronic kidney disease: a clinical model of premature aging. <b>2013</b> , 62, 339-51	184
1325	After 65 years, research is still fun. <b>2013</b> , 1, 1-20	2
1324	Calorie restriction in overweight males ameliorates obesity-related metabolic alterations and cellular adaptations through anti-aging effects, possibly including AMPK and SIRT1 activation. <b>2013</b> , 1830, 4820-7	39
1323	Regulatory roles of metabolites in cell signaling networks. <b>2013</b> , 40, 367-74	13
1322	Life-long caloric restriction reduces oxidative stress and preserves nitric oxide bioavailability and function in arteries of old mice. <b>2013</b> , 12, 772-83	116
1321	Updating the mitochondrial free radical theory of aging: an integrated view, key aspects, and confounding concepts. <b>2013</b> , 19, 1420-45	196
1320	The hallmarks of aging. <i>Cell</i> , <b>2013</b> , 153, 1194-217	56.2 7165
1319	Autophagy induced by silibinin protects human epidermoid carcinoma A431 cells from UVB-induced apoptosis. <b>2013</b> , 123, 23-31	22
1318	Ghrelin is neuroprotective in Parkinson's disease: molecular mechanisms of metabolic neuroprotection. <b>2013</b> , 4, 25-36	57

1317	Overlapped metabolic and therapeutic links between Alzheimer and diabetes. <b>2013</b> , 47, 399-424		60
1316	Ist Weniger essen = Kalorische Restriktion ohne Hunger? Eine Überlebensstrategie für den Menschen?. <b>2013</b> , 38, 42-45		1
1315	Caloric restriction augments radiation efficacy in breast cancer. <b>2013</b> , 12, 1955-63		65
1314	Cell Survival Programs and Ischemia/Reperfusion: Hormesis, Preconditioning, and Cardioprotection. <b>2013</b> , 5, 1-122		3
1313	Aging and diets regulate the rat anterior pituitary and hypothalamic transcriptome. <b>2013</b> , 97, 146-59		11
1312	Dietary restriction induced longevity is mediated by nuclear receptor NHR-62 in <i>Caenorhabditis elegans</i> . <b>2013</b> , 9, e1003651		58
1311	Exploring the role of genetic variability and lifestyle in oxidative stress response for healthy aging and longevity. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 16443-72	6.3	65
1310	Peripheral Pathways in the Food-Intake Control towards the Adipose-Intestinal Missing Link. <b>2013</b> , 2013, 598203		1
1309	O-GlcNAcylation: A New Cancer Hallmark?. <b>2013</b> , 4, 99		161
1308	Biogerontology in the Public Arena: 'Its Hour Come Round at Last'. <b>2013</b> , 23, 19-22		
1307	Caloric restriction: implications for human cardiometabolic health. <b>2013</b> , 33, 201-8		72
1306	Major urinary protein 5, a scent communication protein, is regulated by dietary restriction and subsequent re-feeding in mice. <b>2013</b> , 280, 20130101		28
1305	Metabolic regulation of Sirtuins upon fasting and the implication for cancer. <b>2013</b> , 25, 630-6		19
1304	Circulating factors induced by caloric restriction in the nonhuman primate <i>Macaca mulatta</i> activate angiogenic processes in endothelial cells. <b>2013</b> , 68, 235-49		47
1303	Selenium, Selenoproteins, and Age-Related Disorders. <b>2013</b> , 227-239		0
1302	Effects of glucose restriction on replicative senescence of human diploid fibroblasts IMR-90. <b>2013</b> , 31, 718-27		7
1301	Enhanced phase II detoxification contributes to beneficial effects of dietary restriction as revealed by multi-platform metabolomics studies. <b>2013</b> , 12, 575-86		20
1300	A shift in energy metabolism anticipates the onset of sarcopenia in rhesus monkeys. <b>2013</b> , 12, 672-81		57

1299	Dietary habits prone to lifestyle-related disease. <b>2013</b> , 72, 172-179	6
1298	Resveratrol protects against age-associated infertility in mice. <b>2013</b> , 28, 707-17	176
1297	Death by transposition - the enemy within?. <b>2013</b> , 35, 1035-43	43
1296	Recognition and control of the progression of age-related hearing loss. <b>2013</b> , 16, 475-86	9
1295	Hepatic and peripheral insulin sensitivity do not improve 2 weeks after bariatric surgery. <b>2013</b> , 21, 1143-7	30
1294	Aging and chronic kidney disease. <b>2013</b> , 38, 109-20	69
1293	Pathology in Context. <b>2013</b> , 50, 5-6	
1292	Early gender differences in the redox status of the brain mitochondria with age: effects of melatonin therapy. <b>2013</b> , 16, 91-100	12
1291	Rare Sugars D-Psicose and D-Allose as Calorie Restriction Mimetic. <b>2013</b> , 108, 565-574	4
1290	Caloric intake, aging, and mild cognitive impairment: a population-based study. <b>2013</b> , 34, 501-7	27
1289	Editorial (Cellular Senescence and Inflammation: Advances and Therapeutic Targets in Aging and Major Age-Related Diseases). <b>2013</b> , 19, 1673-1674	
1288	T cell replicative senescence in human aging. <b>2013</b> , 19, 1680-98	136
1287	Nutrition and ageing: knowledge, gaps and research priorities. <b>2013</b> , 72, 246-50	46
1286	Role of autophagy in cancer prevention, development and therapy. <b>2013</b> , 55, 133-51	30
1285	The Interplay between Autophagy and Aging. <b>2013</b> , 37, 333-9	29
1284	Sex differences in body composition, fat storage, and gene expression profile in <i>Caenorhabditis elegans</i> in response to dietary restriction. <b>2013</b> , 45, 539-51	8
1283	Caloric restriction and its mimetics. <b>2013</b> , 46, 181-7	75
1282	Transposable elements become active and mobile in the genomes of aging mammalian somatic tissues. <i>Aging</i> , <b>2013</b> , 5, 867-83	5.6 205

1281 Ageing and Mild Cognitive Impairment (MCI). **2013**, 111-130

1280 The sirtuin family's role in aging and age-associated pathologies. **2013**, 123, 973-9 160

1279 Hunger in the absence of caloric restriction improves cognition and attenuates Alzheimer's disease pathology in a mouse model. **2013**, 8, e60437 45

1278 Extension of *Drosophila* lifespan by *Rhodiola rosea* through a mechanism independent from dietary restriction. **2013**, 8, e63886 33

1277 Dietary restriction depends on nutrient composition to extend chronological lifespan in budding yeast *Saccharomyces cerevisiae*. **2013**, 8, e64448 38

1276 Dietary restriction extends lifespan in wild-derived populations of *Drosophila melanogaster*. **2013**, 8, e74681 24

1275 Protective properties of radio-chemoresistant glioblastoma stem cell clones are associated with metabolic adaptation to reduced glucose dependence. **2013**, 8, e80397 45

1274 Renal protective effects of resveratrol. **2013**, 2013, 568093 97

1273 Effects of caloric restriction on oxidative stress parameters. **2013**, 32, 277-83 34

1272 Hormesis in aging and neurodegeneration-a prodigy awaiting dissection. *International Journal of Molecular Sciences*, **2013**, 14, 13109-28 6.3 28

1271 Trust your gut: galvanizing nutritional interest in intestinal cholesterol metabolism for protection against cardiovascular diseases. *Nutrients*, **2013**, 5, 208-22 6.7 5

1270 SIRT1 in Type 2 Diabetes: Mechanisms and Therapeutic Potential. **2013**, 37, 315-25 166

1269 Nutrition and healthy ageing: calorie restriction or polyphenol-rich "MediterrAsian" diet?. **2013**, 2013, 707421 74

1268 Effects of caloric restriction on cardiac oxidative stress and mitochondrial bioenergetics: potential role of cardiac sirtuins. **2013**, 2013, 528935 41

1267 Medicinal chemistry of the epigenetic diet and caloric restriction. **2013**, 20, 4050-9 62

1266 Editorial (Cellular Senescence and Inflammation: Advances and Therapeutic Targets in Aging and Major Age-Related Diseases). **2013**, 19, 1673-1674 1

1265 The Treatment of Cancer: A Comprehensive Therapeutic Model Entailing a Complex of Interaction Modalities. **2013**, 1

1264 Chronic intermittent fasting improves cognitive functions and brain structures in mice. **2013**, 8, e66069 72

1263	The influence of body mass index, age and sex on inflammatory disease risk in semi-captive Chimpanzees. <b>2014</b> , 9, e104602	12
1262	New insights into the role of mitochondrial dynamics and autophagy during oxidative stress and aging in the heart. <b>2014</b> , 2014, 210934	72
1261	Mechanisms underlying the anti-aging and anti-tumor effects of lithocholic bile acid. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 16522-43	6.3 25
1260	Molecular Links between Caloric Restriction and Sir2/SIRT1 Activation. <b>2014</b> , 38, 321-9	49
1259	Pseudorandomness of gene expression: a new evo-devo theory of ageing. <b>2014</b> , 7, 48-53	1
1258	. <b>2014</b> ,	7
1257	Identification of transcriptional targets of healthspan in adipose tissue and modulation by resveratrol. <b>2014</b> , 2, 157-163	
1256	The fine line between lifespan extension and shortening in response to caloric restriction. <b>2014</b> , 5, 56-65	22
1255	Altered dietary methionine differentially impacts glutathione and methionine metabolism in long-living growth hormone-deficient Ames dwarf and wild-type mice. <b>2014</b> , 3, 10	26
1254	Dietary restriction and the pursuit of effective mimetics. <b>2014</b> , 73, 260-70	30
1253	Why genes extending lifespan in model organisms have not been consistently associated with human longevity and what it means to translation research. <b>2014</b> , 13, 2671-3	42
1252	Receptor regulation of senile phenoptosis. <b>2014</b> , 79, 994-1003	3
1251	Dietary and Caloric Restriction for Human Health. <b>2014</b> ,	
1250	Caspase inhibition in select olfactory neurons restores innate attraction behavior in aged <i>Drosophila</i> . <b>2014</b> , 10, e1004437	16
1249	Long-lived crowded-litter mice exhibit lasting effects on insulin sensitivity and energy homeostasis. <b>2014</b> , 306, E1305-14	27
1248	Longevity pathways and memory aging. <b>2014</b> , 5, 155	25
1247	We are ageing. <b>2014</b> , 2014, 808307	19
1246	How Much Should We Weigh for a Long and Healthy Life Span? The Need to Reconcile Caloric Restriction versus Longevity with Body Mass Index versus Mortality Data. <b>2014</b> , 5, 121	19

1245 Aging and the Immune System. **2014**,

1244 Nitric oxide, oxidative stress, and p66Shc interplay in diabetic endothelial dysfunction. **2014**, 2014, 193095 57

1243 Diet control to achieve euglycemia induces significant loss of heart and liver weight via increased autophagy compared with ad libitum diet in diabetic rats. **2014**, 46, e111 28

1242 Primate Models for Human Brain Aging and Neurological Diseases. **2014**, 34, 139-170 4

1241 Impact of caloric restriction on myocardial ischaemia/reperfusion injury and new therapeutic options to mimic its effects. **2014**, 171, 2964-92 20

1240 Protein carbonylation: proteomics, specificity and relevance to aging. **2014**, 33, 21-48 54

1239 Altered proteome turnover and remodeling by short-term caloric restriction or rapamycin rejuvenate the aging heart. **2014**, 13, 529-39 194

1238 Cancer prevention by adult-onset calorie restriction after infant exposure to ionizing radiation in B6C3F1 male mice. **2014**, 135, 1038-47 20

1237 Resveratrol and food effects on lifespan and reproduction in the model crustacean Daphnia. **2014**, 321, 48-56 19

1236 Cell Aging: Molecular Mechanisms and Implications for Disease. **2014**, 4

1235 Cancer incidence and mortality patterns in women with anorexia nervosa. **2014**, 134, 1751-7 20

1234 Metabolic Effects of Caloric Restriction. **2014**, 6

1233 Plasticity of lifespan: a reaction norm perspective. **2014**, 73, 532-42 11

1232 Old-onset caloric restriction effects on neuropeptide Y- and somatostatin-containing neurons and on cholinergic varicosities in the rat hippocampal formation. **2014**, 36, 9737 10

1231 When longevity meets vitality. **2014**, 73, 407-12 4

1230 Mitochondria, endothelial cell function, and vascular diseases. **2014**, 5, 175 203

1229 Mitohormesis: Promoting Health and Lifespan by Increased Levels of Reactive Oxygen Species (ROS). **2014**, 12, 288-341 281

1228 SIRT6: a promising target for cancer prevention and therapy. **2014**, 818, 181-96 9

1227 Molekularbiologie kurz und bündig. **2014**,

1226 The Effects of Diet, Exercise, and Sleep on Brain Metabolism and Function. **2014**, 1-42

1

1225 Effects of diet on brain plasticity in animal and human studies: mind the gap. **2014**, 2014, 563160

120

1224 Calorie restriction in mammals and simple model organisms. **2014**, 2014, 308690

46

1223 Glucose restriction decreases telomerase activity and enhances its inhibitor response on breast cancer cells: possible extra-telomerase role of BIBR 1532. **2014**, 14, 60

20

1222 Mitochondrial ultrastructure and markers of dynamics in hepatocytes from aged, calorie restricted mice fed with different dietary fats. **2014**, 56, 77-88

25

1221 Low protein intake is associated with a major reduction in IGF-1, cancer, and overall mortality in the 65 and younger but not older population. **2014**, 19, 407-17

504

1220 Rationale for using intermittent calorie restriction as a dietary treatment for drug resistant epilepsy. **2014**, 33, 110-4

39

1219 Tumor cell culture survival following glucose and glutamine deprivation at typical physiological concentrations. **2014**, 30, 218-27

16

1218 Fasting protects liver from ischemic injury through Sirt1-mediated downregulation of circulating HMGB1 in mice. **2014**, 61, 301-8

70

1217 The root of reduced fertility in aged women and possible therapeutic options: current status and future prospects. **2014**, 38, 54-85

81

1216 Do we age because we have mitochondria?. **2014**, 251, 3-23

15

1215 Impact of moderate calorie restriction on testicular morphology and endocrine function in adult rhesus macaques (*Macaca mulatta*). **2014**, 36, 183-97

16

1214 Deletion of Sirt3 does not affect atherosclerosis but accelerates weight gain and impairs rapid metabolic adaptation in LDL receptor knockout mice: implications for cardiovascular risk factor development. **2014**, 109, 399

40

1213 The anti-aging effects of *Ludwigia octovalvis* on *Drosophila melanogaster* and SAMP8 mice. **2014**, 36, 689-703

31

1212 Caloric restriction reduces age-related and all-cause mortality in rhesus monkeys. **2014**, 5, 3557

465

1211 Autophagy: emerging therapeutic target for diabetic nephropathy. **2014**, 34, 9-16

44

1210 Diet and our genetic legacy in the recent anthropocene: a Darwinian perspective to nutritional health. **2014**, 19, 68-83

18

1209	Dietary epigenetics in cancer and aging. <b>2014</b> , 159, 257-67		44
1208	Dietary and metabolic control of stem cell function in physiology and cancer. <b>2014</b> , 14, 292-305		109
1207	Cellular and molecular longevity pathways: the old and the new. <b>2014</b> , 25, 212-23		12
1206	Bariatric surgery and diet-induced long-term caloric restriction protect subcutaneous adipose-derived stromal/progenitor cells and prolong their life span in formerly obese humans. <b>2014</b> , 56, 106-13		39
1205	Abdominal obesity and lower gray matter volume: a Mendelian randomization study. <b>2014</b> , 35, 378-86		47
1204	The metabolite $\beta$ -ketoglutarate extends lifespan by inhibiting ATP synthase and TOR. <i>Nature</i> , <b>2014</b> , 510, 397-401	50.4	340
1203	Reductions in serum IGF-1 during aging impair health span. <b>2014</b> , 13, 408-18		45
1202	The AMPK-SIRT signaling network regulates glucose tolerance under calorie restriction conditions. <b>2014</b> , 100, 55-60		25
1201	Potential of birds to serve as a pathology-free model of type 2 diabetes, Part 1: Is the apparent absence of the rage gene a factor in the resistance of avian organisms to chronic hyperglycemia?. <b>2014</b> , 17, 54-61		13
1200	Caloric restriction and aging stem cells: the stick and the carrot?. <b>2014</b> , 50, 137-48		21
1199	Advances in Nutrition and Cancer. <b>2014</b> ,		9
1198	Hypothalamic SIRT1 prevents age-associated weight gain by improving leptin sensitivity in mice. <b>2014</b> , 57, 819-31		69
1197	Present and future of anti-ageing epigenetic diets. <i>Mechanisms of Ageing and Development</i> , <b>2014</b> , 136-137, 101-15	5.6	66
1196	Skeletal muscle, autophagy, and physical activity: the m <sup>h</sup> age ^trois of metabolic regulation in health and disease. <b>2014</b> , 92, 127-37		60
1195	Short-term calorie restriction feminizes the mRNA profiles of drug metabolizing enzymes and transporters in livers of mice. <b>2014</b> , 274, 137-46		25
1194	The evolution of research on ageing and nutrition. <b>2014</b> , 69, 1-2		11
1193	What are the roles of calorie restriction and diet quality in promoting healthy longevity?. <b>2014</b> , 13, 38-45		101
1192	A mitochondrial ATP synthase subunit interacts with TOR signaling to modulate protein homeostasis and lifespan in <i>Drosophila</i> . <i>Cell Reports</i> , <b>2014</b> , 8, 1781-1792	10.6	32



1191	Modulating mTOR in aging and health. <b>2015</b> , 40, 107-27	68
1190	SIRT1-mediated epigenetic downregulation of plasminogen activator inhibitor-1 prevents vascular endothelial replicative senescence. <b>2014</b> , 13, 890-9	57
1189	Alive and well? Exploring disease by studying lifespan. <b>2014</b> , 26, 33-40	8
1188	Anticancer Genes. <b>2014</b> ,	1
1187	Polyphenols and the modulation of gene expression pathways: can we eat our way out of the danger of chronic disease?. <b>2014</b> , 54, 985-1001	75
1186	Calorie restriction does not elicit a robust extension of replicative lifespan in <i>Saccharomyces cerevisiae</i> . <b>2014</b> , 111, 11727-31	33
1185	The biochemistry and cell biology of aging: metabolic regulation through mitochondrial signaling. <b>2014</b> , 306, E581-91	40
1184	The mitochondrial free radical theory of aging. <b>2014</b> , 127, 1-27	110
1183	SIRT1 in cardiovascular aging. <b>2014</b> , 437, 106-14	54
1182	What is an anti-aging treatment?. <b>2014</b> , 58, 14-8	29
1181	Mitochondrial quality control in the myocardium: cooperation between protein degradation and mitophagy. <b>2014</b> , 75, 122-30	56
1180	Aging and age-related diseases--from endocrine therapy to target therapy. <b>2014</b> , 394, 115-8	33
1179	Cross-talk between SIRT1 and endocrine factors: effects on energy homeostasis. <b>2014</b> , 397, 42-50	15
1178	Protein and amino acid restriction, aging and disease: from yeast to humans. <b>2014</b> , 25, 558-66	152
1177	Bone porosity and longevity in early medieval Southern Croatia. <b>2014</b> , 65, 172-6	1
1176	Caloric restriction mimetics: towards a molecular definition. <b>2014</b> , 13, 727-40	156
1175	Role of plant-based diets in the prevention and regression of metabolic syndrome and neurodegenerative diseases. <b>2014</b> , 40, 62-81	41
1174	Long-term $\beta$ -adrenergic receptor activation shortens lifespan, while $\alpha$ -adrenergic receptor stimulation prolongs lifespan in association with decreased cancer incidence. <b>2014</b> , 36, 9675	16

1173	Mechanistic perspectives of calorie restriction on vascular homeostasis. <b>2014</b> , 57, 742-54	9
1172	Current evidence on dietary pattern and cognitive function. <b>2014</b> , 71, 137-63	18
1171	Lifespan modulation in mice and the confounding effects of genetic background. <b>2014</b> , 41, 497-503	31
1170	Aging research-where do we stand and where are we going?. <i>Cell</i> , <b>2014</b> , 159, 15-19	56.2 48
1169	The metastatic potential of triple-negative breast cancer is decreased via caloric restriction-mediated reduction of the miR-17~92 cluster. <b>2014</b> , 146, 41-50	30
1168	Rapamycin promotes podocyte autophagy and ameliorates renal injury in diabetic mice. <b>2014</b> , 394, 145-54	55
1167	Genome-wide analysis reveals DNA methylation markers that vary with both age and obesity. <b>2014</b> , 548, 61-7	70
1166	Cranberry interacts with dietary macronutrients to promote healthy aging in <i>Drosophila</i> . <b>2014</b> , 69, 945-54	13
1165	Pharma-Nutrition. <b>2014</b> ,	
1164	The dietary proportion of essential amino acids and Sir2 influence lifespan in the honeybee. <b>2014</b> , 36, 9649	20
1163	Calorie restriction down-regulates expression of the iron regulatory hormone hepcidin in normal and D-galactose-induced aging mouse brain. <b>2014</b> , 17, 19-26	13
1162	Caloric restriction impedes age-related decline of mitochondrial function and neuronal activity. <b>2014</b> , 34, 1440-3	40
1161	Optimal body weight for health and longevity: bridging basic, clinical, and population research. <b>2014</b> , 13, 391-400	96
1160	The Omics of Aging. <b>2014</b> , 13-25	
1159	Transcriptional response to dietary restriction in <i>Drosophila melanogaster</i> . <b>2014</b> , 69, 101-6	12
1158	Effect of age and calorie restriction on corpus callosal integrity in rhesus macaques: a fiber tractography study. <b>2014</b> , 569, 38-42	6
1157	Cardiomyocyte health: adapting to metabolic changes through autophagy. <b>2014</b> , 25, 156-64	47
1156	Autophagy modulation as a potential therapeutic target for liver diseases. <b>2014</b> , 4, 51-9	33

1155	Caloric restriction and cancer: molecular mechanisms and clinical implications. <b>2014</b> , 20, 419-27	79
1154	Subfatin is a novel adipokine and unlike Meteorin in adipose and brain expression. <b>2014</b> , 20, 344-54	54
1153	The search for antiaging interventions: from elixirs to fasting regimens. <i>Cell</i> , <b>2014</b> , 157, 1515-26	56.2 233
1152	Heart failure with preserved ejection fraction: molecular pathways of the aging myocardium. <b>2014</b> , 115, 97-107	124
1151	Mouse models and aging: longevity and progeria. <b>2014</b> , 109, 249-85	33
1150	Partial rescue of memory deficits induced by calorie restriction in a mouse model of tau deposition. <b>2014</b> , 271, 79-88	50
1149	Caloric restriction and the aging process: a critique. <b>2014</b> , 73, 366-82	112
1148	From space medicine to preventive and personalized health care on earth. <b>2014</b> , 104, 409-411	3
1147	The biological time calendar. <b>2014</b> , 4, 77-89	2
1146	Body mass index-related regional gray and white matter volume reductions in first-episode mania patients. <b>2014</b> , 76, 138-45	38
1145	The effects of dietary restriction on oxidative stress in rodents. <b>2014</b> , 66, 88-99	102
1144	AAV8-mediated Sirt1 gene transfer to the liver prevents high carbohydrate diet-induced nonalcoholic fatty liver disease. <b>2014</b> , 1, 14039	14
1143	Protein Quality Control Coming of Age. <b>2014</b> , 27-39	
1142	A non-calorie-restricted low-carbohydrate diet is effective as an alternative therapy for patients with type 2 diabetes. <b>2014</b> , 53, 13-9	74
1141	[Personalized medicine - the wheel has been reinvented]. <b>2014</b> , 21, 152-3	
1140	Energy restriction and potential energy restriction mimetics. <b>2015</b> , 28, 100-120	32
1139	Molecular and metabolomic effects of voluntary running wheel activity on skeletal muscle in late middle-aged rats. <b>2015</b> , 3, e12319	23
1138	Human ageing, a biological view. <b>2015</b> , 1-31	

1137	To eat or not to eat   Anti-ageing effects of energy restriction. <b>2015</b> , 33-132	1
1136	Cardiovascular ageing. <b>2015</b> , 203-245	
1135	Subacute calorie restriction and rapamycin discordantly alter mouse liver proteome homeostasis and reverse aging effects. <b>2015</b> , 14, 547-57	57
1134	SIRT1 and Kidney Function. <b>2016</b> , 1, 258-65	25
1133	Animal Models in Nutrition Research. <b>2015</b> , 265-277	1
1132	The effects of graded levels of calorie restriction: IV. Non-linear change in behavioural phenotype of mice in response to short-term calorie restriction. <b>2015</b> , 5, 13198	15
1131	Adiponectin/adiponectin receptor in disease and aging. <b>2015</b> , 1, 15013	40
1130	Genotype-dependent lifespan effects in peptone deprived <i>Caenorhabditis elegans</i> . <b>2015</b> , 5, 16259	16
1129	Transcriptome analysis in calorie-restricted rats implicates epigenetic and post-translational mechanisms in neuroprotection and aging. <b>2015</b> , 16, 285	41
1128	The effects of short-term fasting on tolerance to (neo) adjuvant chemotherapy in HER2-negative breast cancer patients: a randomized pilot study. <b>2015</b> , 15, 652	119
1127	Current advances in the novel functions of hypoxia-inducible factor and prolyl hydroxylase in invertebrates. <b>2015</b> , 24, 634-48	9
1126	????????????????! ?????. <b>2015</b> , 53, 426-428	
1125	Nutrigenomics, Metabolic Correction and Disease: The Restoration of Metabolism as a Regenerative Medicine Perspective. <b>2015</b> , 4, 74-82	2
1124	Epigallocatechin gallate affects glucose metabolism and increases fitness and lifespan in <i>Drosophila melanogaster</i> . <b>2015</b> , 6, 30568-78	55
1123	. <b>2015</b> ,	11
1122	Epigenetic crosstalk: a molecular language in human metabolic disorders. <b>2015</b> , 7, 46-57	12
1121	The Role of Organelle Stresses in Diabetes Mellitus and Obesity: Implication for Treatment. <b>2015</b> , 2015, 972891	12
1120	The Interrelationship Between Disease and Ageing and the Implications for Longevity. <b>2015</b> , 8, 89-94	

1119	Influence of caloric restriction and exercise on mitochondrial quality control in skeletal muscle. <b>2015</b> , 64, 389-396	
1118	Perspective of Small-Molecule AdipoR Agonist for Type 2 Diabetes and Short Life in Obesity. <b>2015</b> , 39, 363-72	43
1117	Natural Marine and Synthetic Xenobiotics Get on Nematode's Nerves: Neuro-Stimulating and Neurotoxic Findings in <i>Caenorhabditis elegans</i> . <b>2015</b> , 13, 2785-812	9
1116	On the central role of brain connectivity in neurodegenerative disease progression. <b>2015</b> , 7, 90	37
1115	Early Shifts of Brain Metabolism by Caloric Restriction Preserve White Matter Integrity and Long-Term Memory in Aging Mice. <b>2015</b> , 7, 213	41
1114	Lifespan Extension Induced by Caffeine in <i>Caenorhabditis elegans</i> is Partially Dependent on Adenosine Signaling. <b>2015</b> , 7, 220	26
1113	Aging as an Evolvability-Increasing Program Which can be Switched Off by Organism to Mobilize Additional Resources for Survival. <b>2015</b> , 8, 95-109	21
1112	Interaction between leucine and phosphodiesterase 5 inhibition in modulating insulin sensitivity and lipid metabolism. <b>2015</b> , 8, 227-39	16
1111	Cardioprotective Signature of Short-Term Caloric Restriction. <b>2015</b> , 10, e0130658	43
1110	Ribosomal Proteins RPS11 and RPS20, Two Stress-Response Markers of Glioblastoma Stem Cells, Are Novel Predictors of Poor Prognosis in Glioblastoma Patients. <b>2015</b> , 10, e0141334	33
1109	Diet impact on mitochondrial bioenergetics and dynamics. <b>2015</b> , 6, 109	104
1108	Autophagy: A Novel Therapeutic Target for Diabetic Nephropathy. <b>2015</b> , 39, 451-60	63
1107	Pathological role of adipose tissue dysfunction in cardio-metabolic disorders. <b>2015</b> , 56, 255-9	8
1106	. <b>2015</b> ,	3
1105	Dietary Modification of Mouse Response to Total-Body-Irradiation. <b>2015</b> ,	1
1104	Macronutrients and caloric intake in health and longevity. <b>2015</b> , 226, R17-28	90
1103	Acute effect of glucose on cerebral blood flow, blood oxygenation, and oxidative metabolism. <b>2015</b> , 36, 707-16	17
1102	Nutrition, Exercise and Epigenetics: Ageing Interventions. <b>2015</b> ,	

1101	The systemic milieu as a mediator of dietary influence on stem cell function during ageing. <b>2015</b> , 19, 53-64	20
1100	Dietary protein:carbohydrate balance is a critical modulator of lifespan and reproduction in <i>Drosophila melanogaster</i> : a test using a chemically defined diet. <b>2015</b> , 75, 12-9	74
1099	Genetic and Dietary Influences on Lifespan. <b>2015</b> , 509-520	1
1098	Aging and longevity science: where are we in 2015?. <b>2015</b> ,	1
1097	Angiotensin II blockade: how its molecular targets may signal to mitochondria and slow aging. Coincidences with calorie restriction and mTOR inhibition. <b>2015</b> , 309, H15-44	40
1096	Programming and Reprogramming Cellular Age in the Era of Induced Pluripotency. <b>2015</b> , 16, 591-600	119
1095	Essential role for autophagy in life span extension. <b>2015</b> , 125, 85-93	293
1094	A key role for neuropeptide Y in lifespan extension and cancer suppression via dietary restriction. <b>2014</b> , 4, 4517	28
1093	Effect of Long Term Consumption of High Calorie Diet and Calorie Restriction on Human Health. <b>2015</b> , 1-28	2
1092	The Intricate Interplay between Mechanisms Underlying Aging and Cancer. <b>2015</b> , 6, 56-75	22
1091	Role of the Forkhead Box O Family and Neuropeptide Y in Calorie Restriction. <b>2015</b> , 199-208	
1090	The metabolic regulation of aging. <b>2015</b> , 21, 1416-23	217
1089	Health Span-Extending Activity of Human Amniotic Membrane- and Adipose Tissue-Derived Stem Cells in F344 Rats. <b>2015</b> , 4, 1144-54	16
1088	Neuropeptide Y: An Anti-Aging Player?. <b>2015</b> , 38, 701-711	24
1087	Molecular regulation of dendritic spine dynamics and their potential impact on synaptic plasticity and neurological diseases. <b>2015</b> , 59, 208-37	57
1086	Le jeûne a-t-il un intérêt médical ?. <b>2015</b> , 9, 681-686	1
1085	Metabolic effects of resveratrol: addressing the controversies. <b>2015</b> , 72, 1473-88	75
1084	Overexpression of malic enzyme in the larval stage extends <i>Drosophila</i> lifespan. <b>2015</b> , 456, 676-82	9

1083	The roles of cellular and organismal aging in the development of late-onset maladies. <b>2015</b> , 10, 1-23	27
1082	Reduction of $\beta$ amyloid and $\beta$ secretase by calorie restriction in female Tg2576 mice. <b>2015</b> , 36, 1293-302	58
1081	CTT1 overexpression increases life span of calorie-restricted <i>Saccharomyces cerevisiae</i> deficient in Sod1. <b>2015</b> , 16, 343-51	14
1080	Lifespan and healthspan extension by resveratrol. <b>2015</b> , 1852, 1209-18	168
1079	GLP-1-oestrogen attenuates hyperphagia and protects from beta cell failure in diabetes-prone New Zealand obese (NZO) mice. <b>2015</b> , 58, 604-14	28
1078	Epigenetic linkage of aging, cancer and nutrition. <b>2015</b> , 218, 59-70	108
1077	Protein synthesis as an integral quality control mechanism during ageing. <b>2015</b> , 23, 75-89	13
1076	Effect of weight maintenance or gain in a 10 years period over telomere length, sirtuin 1 and 6 expression and carotid intima media thickness. <b>2015</b> , 28, 155-64	4
1075	Effects of nutritional components on aging. <b>2015</b> , 14, 8-16	49
1074	Animal models of aging research: implications for human aging and age-related diseases. <b>2015</b> , 3, 283-303	156
1073	Quality control systems in cardiac aging. <b>2015</b> , 23, 101-15	24
1072	Impact of nutrition on the ageing process. <b>2015</b> , 113 Suppl, S18-22	36
1071	A budding yeast's perspective on aging: the shape I'm in. <b>2015</b> , 240, 701-10	5
1070	Modern Human Diet. <b>2015</b> , 393-404	1
1069	Oxygen in human health from life to death--An approach to teaching redox biology and signaling to graduate and medical students. <b>2015</b> , 5, 124-139	21
1068	Effect of caloric restriction on the SIRT1/mTOR signaling pathways in senile mice. <b>2015</b> , 116, 67-72	53
1067	Inducing Muscle Heat Shock Protein 70 Improves Insulin Sensitivity and Muscular Performance in Aged Mice. <b>2015</b> , 70, 800-8	18
1066	CAPER is vital for energy and redox homeostasis by integrating glucose-induced mitochondrial functions via ERR- $\beta$ Gabpa and stress-induced adaptive responses via NF- $\kappa$ B-cMYC. <b>2015</b> , 11, e1005116	15

1065	Repetitive stimulation of autophagy-lysosome machinery by intermittent fasting preconditions the myocardium to ischemia-reperfusion injury. <b>2015</b> , 11, 1537-60	115
1064	Mitochondrial dysfunction in cardiac aging. <b>2015</b> , 1847, 1424-33	82
1063	Hyperinsulinemia/diabetes, hearing, and aging in the University of Wisconsin calorie restriction monkeys. <b>2015</b> , 328, 78-86	5
1062	Aging in the Single-Celled Eukaryote, <i>S. cerevisiae</i> . <b>2015</b> , 19-49	
1061	Keep the fire burning: Current avenues in the quest of treating mitochondrial disorders. <b>2015</b> , 24, 32-49	12
1060	Protective effects of sirtuins in cardiovascular diseases: from bench to bedside. <b>2015</b> , 36, 3404-12	264
1059	Artemisinin and Nitric Oxide. <b>2015</b> ,	1
1058	Study Design. <b>2015</b> , 111-157	
1057	Calorie restriction-mediated replicative lifespan extension in yeast is non-cell autonomous. <b>2015</b> , 13, e1002048	15
1056	Mechanisms Regulating Neuromuscular Junction Development and Function and Causes of Muscle Wasting. <b>2015</b> , 95, 809-52	185
1055	Autophagy in axonal degeneration in glaucomatous optic neuropathy. <b>2015</b> , 47, 1-18	46
1054	Caloric restriction increases ketone bodies metabolism and preserves blood flow in aging brain. <b>2015</b> , 36, 2296-2303	48
1053	Being cool: how body temperature influences ageing and longevity. <b>2015</b> , 16, 383-97	64
1052	From inflammaging to healthy aging by dietary lifestyle choices: is epigenetics the key to personalized nutrition?. <b>2015</b> , 7, 33	125
1051	Dietary restriction, mitochondrial function and aging: from yeast to humans. <b>2015</b> , 1847, 1434-47	95
1050	Longevity Genes. <b>2015</b> ,	2
1049	Effect of 6-month caloric restriction on Cu bound to ceruloplasmin in adult overweight subjects. <b>2015</b> , 26, 876-82	2
1048	The renin-angiotensin system and its involvement in vascular disease. <b>2015</b> , 763, 3-14	72



1047	Basic Physiology of Macaca mulatta. <b>2015</b> , 87-113		2
1046	Autophagy and aging. <b>2015</b> , 847, 73-87		115
1045	Control of Autophagy in Parkinson's Disease. <b>2015</b> , 91-122		
1044	Neuroprotective effects of dietary restriction: Evidence and mechanisms. <b>2015</b> , 40, 106-14		59
1043	Toxicity and Autophagy in Neurodegenerative Disorders. <b>2015</b> ,		1
1042	Upregulation of cytochrome c oxidase subunit 6b1 (Cox6b1) and formation of mitochondrial supercomplexes: implication of Cox6b1 in the effect of calorie restriction. <b>2015</b> , 37, 9787		18
1041	Caloric restriction, resveratrol and melatonin: Role of SIRT1 and implications for aging and related-diseases. <i>Mechanisms of Ageing and Development</i> , <b>2015</b> , 146-148, 28-41	5.6	114
1040	Pharmacological inhibition of PI3K reduces adiposity and metabolic syndrome in obese mice and rhesus monkeys. <b>2015</b> , 21, 558-70		63
1039	CALHM1 Deletion in Mice Affects Glossopharyngeal Taste Responses, Food Intake, Body Weight, and Life Span. <b>2015</b> , 40, 373-9		9
1038	The influence of dietary fat source on liver and skeletal muscle mitochondrial modifications and lifespan changes in calorie-restricted mice. <b>2015</b> , 16, 655-70		13
1037	AMPK Protects Leukemia-Initiating Cells in Myeloid Leukemias from Metabolic Stress in the Bone Marrow. <b>2015</b> , 17, 585-96		143
1036	Biological theories of aging. <b>2015</b> , 61, 460-6		35
1035	Slowed ageing, welfare, and population problems. <b>2015</b> , 36, 321-40		5
1034	Obesity and Mortality. <b>2015</b> , 75-81		3
1033	In vitro caloric restriction induces protective genes and functional rejuvenation in senescent SAMP8 astrocytes. <b>2015</b> , 14, 334-44		12
1032	Two-Year Trial of Human Caloric Restriction. <b>2015</b> , 70, 1095-6		
1031	Dysregulated metabolism contributes to oncogenesis. <b>2015</b> , 35 Suppl, S129-S150		189
1030	Nutrigerontology: why we need a new scientific discipline to develop diets and guidelines to reduce the risk of aging-related diseases. <b>2015</b> , 14, 17-24		30

1029	Energy Balance, IGF-1, and Cancer: Causal Lessons from Genetically Engineered Mice. <b>2015</b> , 117-125	1
1028	What is the effect of fasting on the lifespan of neurons?. <b>2015</b> , 24, 160-5	5
1027	Dietary glycemia as a determinant of health and longevity. <b>2015</b> , 46, 14-20	9
1026	Calorie restriction does not restore brain mitochondrial function in P301L tau mice, but it does decrease mitochondrial FOF1-ATPase activity. <b>2015</b> , 67, 46-54	11
1025	The Aging Heart. <b>2015</b> , 5, a025148	99
1024	Epigenetic modifications in mouse cerebellar Purkinje cells: effects of aging, caloric restriction, and overexpression of superoxide dismutase 1 on 5-methylcytosine and 5-hydroxymethylcytosine. <b>2015</b> , 36, 3079-3089	21
1023	[Factors modulating ageing and longevity: Linear or more complex relationships?]. <b>2015</b> , 44, 1003-8	1
1022	Aging Mechanisms. <b>2015</b> ,	3
1021	Folic acid supplementation at lower doses increases oxidative stress resistance and longevity in <i>Caenorhabditis elegans</i> . <b>2015</b> , 37, 113	29
1020	Calorie restriction mimetics: can you have your cake and eat it, too?. <b>2015</b> , 20, 46-62	108
1019	Diet, behavior and immunity across the lifespan. <b>2015</b> , 58, 46-62	23
1018	Restriction on an energy-dense diet improves markers of metabolic health and cellular aging in mice through decreasing hepatic mTOR activity. <b>2015</b> , 18, 30-9	14
1017	Does the brain shrink as the waist expands?. <b>2015</b> , 20, 86-97	101
1016	Age-dependent effect of every-other-day feeding and aerobic exercise in ubiquinone levels and related antioxidant activities in mice muscle. <b>2015</b> , 70, 33-43	31
1015	DAMPs, ageing, and cancer: The 'DAMP Hypothesis'. <b>2015</b> , 24, 3-16	89
1014	Collaboration between mitochondria and the nucleus is key to long life in <i>Caenorhabditis elegans</i> . <b>2015</b> , 78, 168-78	14
1013	Obesity, diabetes and cancer: insight into the relationship from a cohort with growth hormone receptor deficiency. <b>2015</b> , 58, 37-42	38
1012	Muscle heat shock protein 70 predicts insulin resistance with aging. <b>2015</b> , 70, 155-62	39

1011	The molecular targets of resveratrol. <b>2015</b> , 1852, 1114-23		300
1010	Parkinson's disease and age: The obvious but largely unexplored link. <b>2015</b> , 68, 33-8		55
1009	Preoperative dietary restriction reduces intimal hyperplasia and protects from ischemia-reperfusion injury. <b>2016</b> , 63, 500-9.e1		27
1008	Dietary restriction with and without caloric restriction for healthy aging. <b>2016</b> , 5,		88
1007	Regulation of Macroautophagy by Nutrients and Metabolites. <b>2016</b> , 181-203		1
1006	Stage dependent nutritional regulation of transgenerational longevity. <b>2016</b> , 4, 47-54		5
1005	Caloric restriction preserves memory and reduces anxiety of aging mice with early enhancement of neurovascular functions. <i>Aging</i> , <b>2016</b> , 8, 2814-2826	5.6	46
1004	Dietary and Nutritional Regulation. <b>2016</b> , 109-143		1
1003	Nitrogen and carbon source balance determines longevity, independently of fermentative or respiratory metabolism in the yeast <i>Saccharomyces cerevisiae</i> . <b>2016</b> , 7, 23033-42		7
1002	Caloric restriction stimulates autophagy in rat cortical neurons through neuropeptide Y and ghrelin receptors activation. <i>Aging</i> , <b>2016</b> , 8, 1470-84	5.6	37
1001	Association of Total Energy Intake with 29-Year Mortality in the Japanese: NIPPON DATA80. <b>2016</b> , 23, 339-54		12
1000	Moving toward 'common' use of the marmoset as a non-human primate aging model. <b>2016</b> , 6, 32758		17
999	Dietary Restriction and Nutrient Balance in Aging. <b>2016</b> , 2016, 4010357		32
998	The Impact of External Factors on the Epigenome: In Utero and over Lifetime. <b>2016</b> , 2016, 2568635		43
997	Glucose Metabolism, Insulin, and Aging. <b>2016</b> , 393-409		1
996	Six plant extracts delay yeast chronological aging through different signaling pathways. <b>2016</b> , 7, 50845-50863	12	
995	DNA Damage: A Main Determinant of Vascular Aging. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	47
994	Obesity and Aging in Humans and Nonhuman Primates: A Mini-Review. <b>2016</b> , 62, 611-617		16

993	Role of Sirt1 as a Regulator of Autophagy. <b>2016</b> , 89-100		4
992	GIT2 Acts as a Systems-Level Coordinator of Neurometabolic Activity and Pathophysiological Aging. <b>2015</b> , 6, 191		16
991	Role of Sirtuins in Linking Metabolic Syndrome with Depression. <b>2016</b> , 10, 86		13
990	Nutraceutical Properties of Olive Oil Polyphenols. An Itinerary from Cultured Cells through Animal Models to Humans. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	155
989	New Potential Pharmacological Functions of Chinese Herbal Medicines via Regulation of Autophagy. <b>2016</b> , 21, 359		41
988	Caloric Restriction as a Strategy to Improve Vascular Dysfunction in Metabolic Disorders. <i>Nutrients</i> , <b>2016</b> , 8,	6.7	16
987	The protective role of Sirt1 in vascular tissue: its relationship to vascular aging and atherosclerosis. <i>Aging</i> , <b>2016</b> , 8, 2290-2307	5.6	147
986	The development of a synthetic diet for investigating the effects of macronutrients on the development of <i>Plodia interpunctella</i> . <b>2016</b> , 159, 305-310		3
985	Nutrients and ageing: what can we learn about ageing interactions from animal biology?. <b>2016</b> , 19, 19-25		13
984	The Transhumanist Prospect: Developing Technology to Extend the Human Lifespan. <b>2016</b> , 517-538		1
983	Metformin Enhances the Therapy Effects of Anti-IGF-1R mAb Figitumumab to NSCLC. <b>2016</b> , 6, 31072		17
982	Modifiable Factors Influencing Telomere Length and Aging. <b>2016</b> , 67-80		4
981	Fox transcription factors: from development to disease. <b>2016</b> , 143, 4558-4570		152
980	Inflammation, Aging, and Oxidative Stress. <b>2016</b> ,		8
979	????????????? <b>2016</b> , 119, 840-845		1
978	Sirtuins and Aging. <b>2016</b> , 213-227		2
977	Nutrition, Epigenetics and Aging. <b>2016</b> , 103-131		
976	Life history variation in mouse lemurs ( <i>Microcebus murinus</i> , <i>M. lehilahytsara</i> ): the effect of environmental and phylogenetic determinants. 174-194		13

975 The biology of aging. **2016**, 17-27

974 Progress on the role of DNA methylation in aging and longevity. **2016**, 15, 454-459 16

973 Dietary restriction and Sirtuin 1 in metabolic health: connections and divergences. **2016**, 75, 30-37 2

972 Nutritional limitation in early postnatal life and its effect on aging and longevity in rodents. **2016**, 86, 84-89 5

971 Role of Sirtuins in Regulating Pathophysiology of the Heart. **2016**, 27, 563-573 44

970 Why Animals Die: An Introduction to the Pathology of Aging. **2016**, 53, 229-32 6

969 Mechanisms of mitophagy: putting the powerhouse into the doghouse. **2016**, 397, 617-35 8

968 Effect of Calorie Restriction on Mood, Quality of Life, Sleep, and Sexual Function in Healthy Nonobese Adults: The CALERIE 2 Randomized Clinical Trial. **2016**, 176, 743-52 107

967 Caloric Restriction Paradoxically Increases Adiposity in Mice With Genetically Reduced Insulin. **2016**, 157, 2724-34 35

966 Pharmacological Strategies to Retard Cardiovascular Aging. **2016**, 118, 1626-42 43

965 Cellular Ageing and Replicative Senescence. **2016**, 7

964 Synergic chemoprevention with dietary carbohydrate restriction and supplementation of AMPK-activating phytochemicals: the role of SIRT1. **2016**, 25, 54-64 5

963 Dietary Interventions, Cardiovascular Aging, and Disease: Animal Models and Human Studies. **2016**, 118, 1612-25 22

962 Pre-adult famine exposure and subsequent colorectal cancer risk in women. **2017**, 46, 612-621 2

961 Targeting Autophagy in Cancer Therapy. **2016**, 9

960 Adult and Cancer Stem Cells: Perspectives on Autophagic Fate Determinations and Molecular Intervention. **2016**, 99-116 1

959 Mitochondrial health, the epigenome and healthspan. **2016**, 130, 1285-305 37

958 Microfluidic Platforms for Yeast-Based Aging Studies. **2016**, 12, 5787-5801 9

957	Calorie restriction protects against experimental abdominal aortic aneurysms in mice. <b>2016</b> , 213, 2473-2488	38
956	Interventions for age-related diseases: Shifting the paradigm. <i>Mechanisms of Ageing and Development</i> , <b>2016</b> , 160, 69-92	5.6 41
955	Living Long and Well: Prospects for a Personalized Approach to the Medicine of Ageing. <b>2016</b> , 62, 409-16	10
954	Inhibition of citrate cotransporter Slc13a5/mINDY by RNAi improves hepatic insulin sensitivity and prevents diet-induced non-alcoholic fatty liver disease in mice. <b>2016</b> , 5, 1072-1082	22
953	Starving cancer from the outside and inside: separate and combined effects of calorie restriction and autophagy inhibition on Ras-driven tumors. <b>2016</b> , 4, 18	29
952	Short-term dietary restriction in old zebrafish changes cell senescence mechanisms. <b>2016</b> , 334, 64-75	35
951	Obesity associated with increased brain age from midlife. <b>2016</b> , 47, 63-70	122
950	Anti-aging pharmacology: Promises and pitfalls. <b>2016</b> , 31, 9-35	96
949	Balanced intake of protein and carbohydrate maximizes lifetime reproductive success in the mealworm beetle, <i>Tenebrio molitor</i> (Coleoptera: Tenebrionidae). <b>2016</b> , 91-92, 93-9	21
948	Nutrient restriction in combinatory therapy of tumors. <b>2016</b> , 50, 362-378	4
947	Long-term caloric restriction in mice may prevent age-related learning impairment via suppression of apoptosis. <b>2016</b> , 315, 45-50	6
946	Effects of 2-year calorie restriction on circulating levels of IGF-1, IGF-binding proteins and cortisol in nonobese men and women: a randomized clinical trial. <b>2016</b> , 15, 22-7	101
945	Significant life extension by ten percent dietary restriction. <b>2016</b> , 1363, 11-7	10
944	From yeast to human: exploring the comparative biology of methionine restriction in extending eukaryotic life span. <b>2016</b> , 1363, 155-70	46
943	Caloric restriction and the precision-control of autophagy: A strategy for delaying neurodegenerative disease progression. <b>2016</b> , 83, 97-111	44
942	Dietary fat composition influences glomerular and proximal convoluted tubule cell structure and autophagic processes in kidneys from calorie-restricted mice. <b>2016</b> , 15, 477-87	18
941	The Basics of Autophagy. <b>2016</b> , 3-20	4
940	Dynamic Characteristics of Aging-Related Changes as Predictors of Longevity and Healthy Lifespan. <b>2016</b> , 187-210	

939	Metabolism in Cancer. <b>2016,</b>	4
938	Restricted diet delays accelerated ageing and genomic stress in DNA-repair-deficient mice. <i>Nature</i> , <b>2016</b> , 537, 427-431	50.4 149
937	Nutrigenomics at the Interface of Aging, Lifespan, and Cancer Prevention. <b>2016</b> , 146, 1931-1939	14
936	Biodemography of Aging. <b>2016,</b>	5
935	Fasting and Caloric Restriction in Cancer Prevention and Treatment. <b>2016</b> , 207, 241-66	63
934	Endogenous androgen exposures and ischemic heart disease, a separate sample Mendelian randomization study. <b>2016</b> , 222, 940-945	12
933	Targeting Cancer Metabolism: Dietary and Pharmacologic Interventions. <b>2016</b> , 6, 1315-1333	107
932	Contemporary views on human aging and longevity. <b>2016</b> , 79, 115-142	12
931	Could Intermittent Energy Restriction and Intermittent Fasting Reduce Rates of Cancer in Obese, Overweight, and Normal-Weight Subjects? A Summary of Evidence. <b>2016</b> , 7, 690-705	28
930	Role of Sirtuins in Maintenance of Genomic Stability: Relevance to Cancer and Healthy Aging. <b>2016</b> , 35, 542-575	21
929	Caloric restriction in young rats disturbs hippocampal neurogenesis and spatial learning. <b>2016</b> , 133, 214-224	21
928	Autophagy regulates satellite cell ability to regenerate normal and dystrophic muscles. <b>2016</b> , 23, 1839-1849	72
927	Sirtuins. <b>2016,</b>	
926	Effects of Long-Term Exercise on Age-Related Hearing Loss in Mice. <b>2016</b> , 36, 11308-11319	30
925	Childhood socioeconomic disadvantage is associated with lower mortality in older Japanese men: the JAGES cohort study. <b>2016</b> , 45, 1226-1235	26
924	Caloric restriction of db/db mice reverts hepatic steatosis and body weight with divergent hepatic metabolism. <b>2016</b> , 6, 30111	51
923	Emerging roles for histone deacetylases in age-related muscle atrophy. <b>2016</b> , 4, 17-30	21
922	Targeting glucose metabolism for healthy aging. <b>2016</b> , 4, 31-46	38

921	Nutritional strategies to optimise cognitive function in the aging brain. <b>2016</b> , 31, 80-92	64
920	Autophagy in kidney disease and aging: lessons from rodent models. <b>2016</b> , 90, 950-964	90
919	Caloric restriction: beneficial effects on brain aging and Alzheimer's disease. <b>2016</b> , 27, 300-19	57
918	Animal and human models to understand ageing. <b>2016</b> , 93, 18-27	27
917	Role of metabolism in neurodegenerative disorders. <b>2016</b> , 65, 1376-90	111
916	Effects of Sex, Strain, and Energy Intake on Hallmarks of Aging in Mice. <b>2016</b> , 23, 1093-1112	245
915	Differences in genome-wide gene expression response in peripheral blood mononuclear cells between young and old men upon caloric restriction. <b>2016</b> , 11, 13	4
914	Metabolomics Insights into the Modulatory Effects of Long-Term Low Calorie Intake in Mice. <b>2016</b> , 15, 2299-308	11
913	NaDC3 Induces Premature Cellular Senescence by Promoting Transport of Krebs Cycle Intermediates, Increasing NADH, and Exacerbating Oxidative Damage. <b>2016</b> , 71, 1-12	3
912	The effects of energy intake of four different feeding patterns in rats. <b>2016</b> , 241, 52-9	8
911	Are invertebrates relevant models in ageing research? Focus on the effects of rapamycin on TOR. <i>Mechanisms of Ageing and Development</i> , <b>2016</b> , 153, 22-9	5.6 5
910	The mTOR Pathway and Aging. <b>2016</b> , 55-81	3
909	Cardiac Aging. <b>2016</b> , 459-494	1
908	Vascular mTOR-dependent mechanisms linking the control of aging to Alzheimer's disease. <b>2016</b> , 1862, 992-1007	23
907	Caloric restriction and exercise "mimetics": Ready for prime time?. <b>2016</b> , 103, 158-66	45
906	Short-term calorie restriction enhances adult hippocampal neurogenesis and remote fear memory in a Ghnr-dependent manner. <b>2016</b> , 63, 198-207	63
905	Long live FOXO: unraveling the role of FOXO proteins in aging and longevity. <b>2016</b> , 15, 196-207	374
904	Regional metabolic heterogeneity of the hippocampus is nonuniformly impacted by age and caloric restriction. <b>2016</b> , 15, 100-10	20



903	Methionine restriction and life-span control. <b>2016</b> , 1363, 116-24	60
902	Manipulation of health span and function by dietary caloric restriction mimetics. <b>2016</b> , 1363, 5-10	34
901	Novel targets for mitochondrial medicine. <b>2016</b> , 8, 326rv3	80
900	Age-Associated Pathology in Rhesus Macaques ( <i>Macaca mulatta</i> ). <b>2016</b> , 53, 399-416	44
899	Cell intrinsic and extrinsic regulation of leukemia cell metabolism. <b>2016</b> , 103, 607-16	16
898	Caloric Restriction in Older Adults-Differential Effects of Weight Loss and Reduced Weight on Brain Structure and Function. <b>2017</b> , 27, 1765-1778	59
897	Relationship between body mass index and hippocampal glutamate/glutamine in bipolar disorder. <b>2016</b> , 208, 146-52	14
896	Molecular aging of the mammalian vestibular system. <b>2016</b> , 26, 72-80	19
895	Increased ghrelin signaling prolongs survival in mouse models of human aging through activation of sirtuin1. <b>2016</b> , 21, 1613-1623	79
894	Les limites et paradoxes de l'IMC « mens fervida in corpore lacertoso ». <b>2016</b> , 10, 5-6	
893	Context Specificity of Stress-activated Mitogen-activated Protein (MAP) Kinase Signaling: The Story as Told by <i>Caenorhabditis elegans</i> . <b>2016</b> , 291, 7796-804	36
892	Gene-diet interactions and aging in <i>C. elegans</i> . <b>2016</b> , 86, 106-112	18
891	Calorie restriction-induced SIRT6 activation delays aging by suppressing NF- $\kappa$ B signaling. <b>2016</b> , 15, 1009-18	66
890	Dietary restriction improves repopulation but impairs lymphoid differentiation capacity of hematopoietic stem cells in early aging. <b>2016</b> , 213, 535-53	57
889	Ghrelin-AMPK Signaling Mediates the Neuroprotective Effects of Calorie Restriction in Parkinson's Disease. <b>2016</b> , 36, 3049-63	99
888	The use of telomere length as a predictive biomarker for injury prognosis in juvenile rats following a concussion/mild traumatic brain injury. <b>2016</b> , 87, 11-8	36
887	The somatotrophic axis may not modulate ageing and longevity in humans. <b>2016</b> , 17, 421-9	13
886	Protection against renal ischemia-reperfusion injury through hormesis? Dietary intervention versus cold exposure. <b>2016</b> , 144, 69-79	9

885	Rhodiola rosea extends lifespan and improves stress tolerance in silkworm, <i>Bombyx mori</i> . <b>2016</b> , 17, 373-81	23
884	Staying young at heart: autophagy and adaptation to cardiac aging. <b>2016</b> , 95, 78-85	37
883	The Biology of Aging: Citizen Scientists and Their Pets as a Bridge Between Research on Model Organisms and Human Subjects. <b>2016</b> , 53, 291-8	37
882	Are sirtuins markers of ovarian aging?. <b>2016</b> , 575, 680-6	40
881	Ethnic and Cultural Dimensions of Knowledge. <b>2016</b> ,	2
880	The Knowing in Indigenous Knowledge: Alternative Ways to View Development, Largely from a New Guinea Highlands Perspective. <b>2016</b> , 129-163	4
879	Six-month Calorie Restriction in Overweight Individuals Elicits Transcriptomic Response in Subcutaneous Adipose Tissue That is Distinct From Effects of Energy Deficit. <b>2016</b> , 71, 1258-65	10
878	Using Medicine in Science Fiction. <b>2016</b> ,	1
877	Testing hypotheses in macroevolution. <b>2016</b> , 55, 47-59	13
876	Regulation of Liver Metabolism by Autophagy. <b>2016</b> , 150, 328-39	195
875	Preparing for an Aging World: Engaging Biogerontologists, Geriatricians, and the Society. <b>2016</b> , 71, 435-44	32
874	The Biology of Immortality. <b>2016</b> , 281-320	
873	Molecular and cellular aspects of age-related cognitive decline and Alzheimer's disease. <b>2017</b> , 322, 191-205	26
872	Anti-apoptotic and Pro-survival Effects of Food Restriction on High-Fat Diet-Induced Obese Hearts. <b>2017</b> , 17, 163-174	8
871	Caloric restriction improves health and survival of rhesus monkeys. <b>2017</b> , 8, 14063	424
870	Serotonin-dependent kinetics of feeding bursts underlie a graded response to food availability in <i>C. elegans</i> . <b>2017</b> , 8, 14221	39
869	Protective effects of short-term dietary restriction in surgical stress and chemotherapy. <b>2017</b> , 39, 68-77	35
868	Nutrition, metabolism, and targeting aging in nonhuman primates. <b>2017</b> , 39, 29-35	16

867	Physiological links of circadian clock and biological clock of aging. <b>2017</b> , 8, 477-488	31
866	Sirtuins, a promising target in slowing down the ageing process. <b>2017</b> , 18, 447-476	220
865	Coelomocytes are required for lifespan extension via different methods of dietary restriction in <i>C. elegans</i> . <b>2017</b> , 9, 59-63	1
864	Lifetime fitness consequences of early-life ecological hardship in a wild mammal population. <b>2017</b> , 7, 1712-1724	34
863	Body mass index associates with white matter microstructure in bipolar depression. <b>2017</b> , 19, 116-127	15
862	Nutrition modulation of human aging: The calorie restriction paradigm. <b>2017</b> , 455, 148-157	34
861	Hyper- and hypo- nutrition studies of the hepatic transcriptome and epigenome suggest that PPAR $\alpha$ regulates anaerobic glycolysis. <b>2017</b> , 7, 174	10
860	Exercise-Induced Autophagy in Fatty Liver Disease. <b>2017</b> , 45, 181-186	15
859	Augmenting brain metabolism to increase macro- and chaperone-mediated autophagy for decreasing neuronal proteotoxicity and aging. <b>2017</b> , 156, 90-106	33
858	Functional relevance of miRNAs in premature ageing. <i>Mechanisms of Ageing and Development</i> , <b>2017</b> , 168, 10-19	5.6 7
857	Aging and the Inevitable Limit to Human Life Span. <b>2017</b> , 63, 432-434	24
856	Mitophagy and age-related pathologies: Development of new therapeutics by targeting mitochondrial turnover. <b>2017</b> , 178, 157-174	75
855	Glycogen controls <i>Caenorhabditis elegans</i> lifespan and resistance to oxidative stress. <b>2017</b> , 8, 15868	60
854	Conserved and species-specific molecular denominators in mammalian skeletal muscle aging. <b>2017</b> , 3, 8	12
853	Specificity of Protein Carbonylation and Its Relevance in Aging. <b>2017</b> , 340-383	
852	Effects of Aging in Dry Eye. <b>2017</b> , 57, 47-64	57
851	Calorie restriction in rodents: Caveats to consider. <b>2017</b> , 39, 15-28	67
850	Strategies to promote abundance of , an emerging probiotics in the gut, evidence from dietary intervention studies. <b>2017</b> , 33, 194-201	109

849	Energy Balance Modulation Impacts Epigenetic Reprogramming, ER and ER Expression, and Mammary Tumor Development in MMTV-neu Transgenic Mice. <b>2017</b> , 77, 2500-2511		23
848	Specific Sirt1 Activator-mediated Improvement in Glucose Homeostasis Requires Sirt1-Independent Activation of AMPK. <b>2017</b> , 18, 128-138		21
847	Developmental Whole Brain White Matter Alterations in Transgenic Huntington's Disease Monkey. <b>2017</b> , 7, 379		21
846	Early nutrition and ageing: can we intervene?. <b>2017</b> , 18, 893-900		10
845	Diagnosis and body mass index effects on hippocampal volumes and neurochemistry in bipolar disorder. <b>2017</b> , 7, e1071		11
844	Nutrient Sensing and the Oxidative Stress Response. <b>2017</b> , 28, 449-460		57
843	Neuroimaging Biomarkers of Caloric Restriction on Brain Metabolic and Vascular Functions. <b>2017</b> , 6, 41-48		8
842	The role of the TOR pathway in mediating the link between nutrition and longevity. <i>Mechanisms of Ageing and Development</i> , <b>2017</b> , 164, 127-138	5.6	48
841	Ageing: Lessons from C. elegans. <b>2017</b> ,		8
840	Dietary Restriction in C. elegans. <b>2017</b> , 355-391		0
839	System-wide Benefits of Intermeal Fasting by Autophagy. <b>2017</b> , 26, 856-871.e5		66
838	d-Allulose, a stereoisomer of d-fructose, extends Caenorhabditis elegans lifespan through a dietary restriction mechanism: A new candidate dietary restriction mimetic. <b>2017</b> , 493, 1528-1533		21
837	Current understanding of the molecular mechanisms in Parkinson's disease: Targets for potential treatments. <b>2017</b> , 6, 28		199
836	SIRT2 Acts as a Cardioprotective Deacetylase in Pathological Cardiac Hypertrophy. <b>2017</b> , 136, 2051-2067		127
835	Neuroprotective strategies to prevent and treat Parkinson's disease based on its pathophysiological mechanism. <b>2017</b> , 40, 1117-1128		11
834	Assessment of a nutritional supplement containing resveratrol, prebiotic fiber, and omega-3 fatty acids for the prevention and treatment of mild traumatic brain injury in rats. <b>2017</b> , 365, 146-157		29
833	Ernährungskonzepte für den alternden Menschen. <b>2017</b> , 13, 433-441		
832	Health Benefits of Fasting and Caloric Restriction. <i>Current Diabetes Reports</i> , <b>2017</b> , 17, 123	5.6	99

831	Integrated stress response stimulates FGF21 expression: Systemic enhancer of longevity. <b>2017</b> , 40, 10-21	49
830	Somatotropic Axis Role in Ageing and Longevity Could Depend on Life-History Strategies of Species. <b>2017</b> , 21-33	
829	Identifying and Separating Pandora Moth Outbreaks and Climate from A 1500-Year Ponderosa Pine Chronology from Central Oregon. <b>2017</b> , 73, 113-125	8
828	Regulation of Stem Cell Aging by Metabolism and Epigenetics. <b>2017</b> , 26, 460-474	121
827	Nutrition, epigenetics and health through life. <b>2017</b> , 42, 254-265	5
826	Caloric Restriction Prevents Carcinogen-Initiated Liver Tumorigenesis in Mice. <b>2017</b> , 10, 660-670	8
825	Energy restriction affect liver development in Hu sheep ram lambs through Hippo signaling pathway. <b>2017</b> , 49, 603-611	4
824	Caloric restriction delays age-related methylation drift. <b>2017</b> , 8, 539	146
823	Enoyl-CoA hydratase-1 regulates mTOR signaling and apoptosis by sensing nutrients. <b>2017</b> , 8, 464	27
822	Physical exercise increases Sestrin 2 protein levels and induces autophagy in the skeletal muscle of old mice. <b>2017</b> , 97, 17-21	41
821	The emerging role of alternative splicing in senescence and aging. <b>2017</b> , 16, 918-933	83
820	Caloric restriction impacts plasma microRNAs in rhesus monkeys. <b>2017</b> , 16, 1200-1203	20
819	miR-34a and miR-9 are overexpressed and SIRT genes are downregulated in peripheral blood mononuclear cells of aging humans. <b>2017</b> , 242, 1453-1461	36
818	Redox homeostasis and age-related deficits in neuromuscular integrity and function. <b>2017</b> , 8, 881-906	29
817	Every-other-day feeding extends lifespan but fails to delay many symptoms of aging in mice. <b>2017</b> , 8, 155	60
816	Little evidence for intralocus sexual conflict over the optimal intake of nutrients for life span and reproduction in the black field cricket <i>Teleogryllus commodus</i> . <b>2017</b> , 71, 2159-2177	14
815	Extreme population-level events: Do they have an impact on cancer?. <b>2017</b> , 123, 3226-3228	2
814	In Situ Immunofluorescent Staining of Autophagy in Muscle Stem Cells. <b>2017</b> ,	0

813	Less is more: Caloric regulation of neurogenesis and adult brain function. <b>2017</b> , 29, e12512	13
812	Implications of aging and the endoplasmic reticulum unfolded protein response on the molecular modality of breast cancer. <b>2017</b> , 49, e389	22
811	Longevity control by the nervous system: Sensory perception, stress response and beyond. <b>2017</b> , 1, 41-51	2
810	Functional analyses of major cancer-related signaling pathways in Alzheimer's disease etiology. <b>2017</b> , 1868, 341-358	27
809	Aging and Caloric Restriction Research: A Biological Perspective With Translational Potential. <b>2017</b> , 21, 37-44	91
808	Long-lasting effect of obesity on skeletal muscle transcriptome. <b>2017</b> , 18, 411	10
807	Appearance and Internal Aging. <b>2017</b> , 331-340	
806	Calorie restriction in humans: An update. <b>2017</b> , 39, 36-45	250
805	Non-Coding RNA Molecules Connect Calorie Restriction and Lifespan. <b>2017</b> , 429, 3196-3214	10
804	Comparison of Intermittent Fasting Versus Caloric Restriction in Obese Subjects: A Two Year Follow-Up. <b>2017</b> , 21, 681-685	14
803	P66-SIRT1 Regulation of Oxidative Stress Protects Against Cardio-cerebral Vascular Disease. <b>2017</b> , 54, 5277-5285	24
802	Microglia Priming with Aging and Stress. <b>2017</b> , 42, 318-333	171
801	Differential Regulation of Hippocampal IGF-1-Associated Signaling Proteins by Dietary Restriction in Aging Mouse. <b>2017</b> , 37, 985-993	12
800	Development and diabetes on the fly. <b>2017</b> , 144, 150-155	9
799	Caloric restriction - A promising anti-cancer approach: From molecular mechanisms to clinical trials. <b>2017</b> , 1867, 29-41	31
798	Regulation of metabolic health and aging by nutrient-sensitive signaling pathways. <b>2017</b> , 455, 13-22	38
797	Ectopic fat deposition contributes to age-associated pathology in <i>Caenorhabditis elegans</i> . <b>2017</b> , 58, 72-80	31
796	Redox control of senescence and age-related disease. <b>2017</b> , 11, 91-102	164

795	Disentangling the effect of dietary restriction on mitochondrial function using recombinant inbred mice. <b>2017</b> , 455, 41-53		9
794	Use and Importance of Nonhuman Primates in Metabolic Disease Research: Current State of the Field. <b>2017</b> , 58, 251-268		34
793	Nonhuman Primates and Translational Research-Cardiovascular Disease. <b>2017</b> , 58, 235-250		34
792	Consequences of calorie restriction and calorie excess for the physiological parameters of the yeast <i>Saccharomyces cerevisiae</i> cells. <b>2017</b> , 17,		6
791	An extract from the Atlantic brown algae counteracts diet-induced obesity in mice via a gut related multi-factorial mechanisms. <b>2017</b> , 8, 73501-73515		14
790	Calorie Restriction Mimetics From Functional Foods. <b>2017</b> , 257-271		2
789	Caloric Restriction Protects against Lactacystin-Induced Degeneration of Dopamine Neurons Independent of the Ghrelin Receptor. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	4
788	Autophagy and Microglia: Novel Partners in Neurodegeneration and Aging. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	167
787	The Role of Ghrelin and Ghrelin Signaling in Aging. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	23
786	Amino Acid Sensing General Control Nonderepressible-2 Kinase and Immunological Programming. <b>2017</b> , 8, 1719		25
785	Palatable Hyper-Caloric Foods Impact on Neuronal Plasticity. <b>2017</b> , 11, 19		42
784	FOXO Transcriptional Factors and Long-Term Living. <b>2017</b> , 2017, 3494289		80
783	Differential Fasting Plasma Glucose and Ketone Body Levels in GHRKO versus 3xTg-AD Mice: A Potential Contributor to Aging-Related Cognitive Status?. <b>2017</b> , 2017, 9684061		2
782	Late-Onset Caloric Restriction Alters Skeletal Muscle Metabolism: Mechanisms from Animal and Human Studies. <b>2017</b> , 337-344		0
781	Resveratrol and caloric restriction prevent hepatic steatosis by regulating SIRT1-autophagy pathway and alleviating endoplasmic reticulum stress in high-fat diet-fed rats. <b>2017</b> , 12, e0183541		94
780	[Autophagy and brain: the case of neurodegenerative diseases]. <b>2017</b> , 33, 268-274		
779	The Impact of Autophagy on Cardiovascular Senescence and Diseases. <b>2017</b> , 58, 666-673		38
778	Biology of Human Aging and Recent Nutrition Therapy. <b>2017</b> , 7,		

777	Mechanisms of action of compounds that mimic beneficial effects of calorie restriction such as lifespan extension: Is taurine a promising candidate?. <b>2017</b> , 6, 201-207		1
776	Intake of mulberry 1-deoxynojirimycin prevents colorectal cancer in mice. <b>2017</b> , 61, 47-52		20
775	Therapeutic potential of systemic brain rejuvenation strategies for neurodegenerative disease. <b>2017</b> , 6, 1291		18
774	Anti-Aging Drugs. <b>2017</b> , 349-378		
773	The role of autophagy in hepatocellular carcinoma: friend or foe. <b>2017</b> , 8, 57707-57722		95
772	Aging and calorie restriction regulate the expression of miR-125a-5p and its target genes Stat3, Casp2 and Stard13. <i>Aging</i> , <b>2017</b> , 9, 1825-1843	5.6	23
771	Glutathione levels influence chronological life span of <i>Saccharomyces cerevisiae</i> in a glucose-dependent manner. <b>2018</b> , 35, 387-396		6
770	ATP Synthase, a Target for Dementia and Aging?. <b>2018</b> , 21, 61-66		1
769	Caloric Restriction Engages Hepatic RNA Processing Mechanisms in Rhesus Monkeys. <b>2018</b> , 27, 677-688.e5		37
768	Animal Models of Pathological Aging. <b>2018</b> , 61-77		
767	The effect of different levels of dietary restriction on glucose homeostasis and metabolic memory. <b>2018</b> , 40, 139-149		21
766	Aspirin Recapitulates Features of Caloric Restriction. <i>Cell Reports</i> , <b>2018</b> , 22, 2395-2407	10.6	80
765	Calorie Restriction Governs Intestinal Epithelial Regeneration through Cell-Autonomous Regulation of mTORC1 in Reserve Stem Cells. <b>2018</b> , 10, 703-711		37
764	Exercise intervention attenuates hyperhomocysteinemia-induced aortic endothelial oxidative injury by regulating SIRT1 through mitigating NADPH oxidase/LOX-1 signaling. <b>2018</b> , 14, 116-125		32
763	Is there a role of HS in mediating health span benefits of caloric restriction?. <b>2018</b> , 149, 91-100		13
762	Intermittent Fasting and Caloric Restriction: Neuroplasticity and Neurodegeneration. <b>2018</b> , 1-18		1
761	Age, calorie restriction, and age of calorie restriction onset reduce maturation of natural killer cells in C57Bl/6 mice. <b>2018</b> , 55, 81-93		2
760	Obesity induced T cell dysfunction and implications for cancer immunotherapy. <b>2018</b> , 51, 181-186		39



759	Elevated cancer risk in Holocaust survivors residing in Israel: A retrospective cohort study. <b>2018</b> , 95, 85-92	2
758	Mild Suppression of Hyperinsulinemia to Treat Obesity and Insulin Resistance. <b>2018</b> , 29, 389-399	46
757	Dietary restriction slightly affects glucose homeostasis and delays plasma cholesterol removal in rabbits with dietary lipid lowering. <b>2018</b> , 43, 996-1002	2
756	Caloric restriction increases lifespan but affects brain integrity in grey mouse lemur primates. <b>2018</b> , 1, 30	75
755	Mitochondrial dysfunction in diabetic kidney disease. <b>2018</b> , 14, 291-312	178
754	Metabolic effects of short-term caloric restriction in mice with reduced insulin gene dosage. <b>2018</b> , 237, 59-71	9
753	Lessons from animal nutritionists: dietary amino acid requirement studies and considerations for healthy aging studies. <b>2018</b> , 1418, 20-30	3
752	GIT2-A keystone in ageing and age-related disease. <b>2018</b> , 43, 46-63	13
751	Animal models of obesity and diabetes mellitus. <b>2018</b> , 14, 140-162	330
750	Dieta y prevención en enfermedad de Alzheimer. <b>2018</b> , 10, 44-60	1
749	Quantitative Proteomic Analysis of Changes Related to Age and Calorie Restriction in Rat Liver Tissue. <b>2018</b> , 18, e1700240	4
748	Oral health in geroscience: animal models and the aging oral cavity. <b>2018</b> , 40, 1-10	22
747	Leptin and ghrelin: Sewing metabolism onto neurodegeneration. <b>2018</b> , 136, 307-316	21
746	Impact of diet restriction in the management of diabetes: evidences from preclinical studies. <b>2018</b> , 391, 235-245	6
745	Aberrant regulation of autophagy in mammalian diseases. <b>2018</b> , 14,	41
744	Caloric Restriction Research: New Perspectives on the Biology of Aging. <b>2017</b> , 73, 1-3	18
743	Is it Time to State That Diet Restriction Does Not Increase Life span in Primates?. <b>2018</b> , 73, 308-309	2
742	The effects of short-term fasting on quality of life and tolerance to chemotherapy in patients with breast and ovarian cancer: a randomized cross-over pilot study. <b>2018</b> , 18, 476	91

741	Metabolic Flexibility as an Adaptation to Energy Resources and Requirements in Health and Disease. <b>2018</b> , 39, 489-517		172
740	Regulation of Sirtuins by Systemic NAD + Biosynthesis. <b>2018</b> , 7-25		
739	Amino Acid Restriction Triggers Angiogenesis via GCN2/ATF4 Regulation of VEGF and HS Production. <i>Cell</i> , <b>2018</b> , 173, 117-129.e14	56.2	144
738	Metabolic Slowing and Reduced Oxidative Damage with Sustained Caloric Restriction Support the Rate of Living and Oxidative Damage Theories of Aging. <b>2018</b> , 27, 805-815.e4		229
737	Cell Replacement to Reverse Brain Aging: Challenges, Pitfalls, and Opportunities. <b>2018</b> , 41, 267-279		10
736	Caloric Restriction and Healthy Life Span: Frail Phenotype of Nonhuman Primates in the Wisconsin National Primate Research Center Caloric Restriction Study. <b>2018</b> , 73, 273-278		36
735	Sesamin extends lifespan through pathways related to dietary restriction in <i>Caenorhabditis elegans</i> . <i>European Journal of Nutrition</i> , <b>2018</b> , 57, 1137-1146	5.2	13
734	Caloric Restriction Study Design Limitations in Rodent and Nonhuman Primate Studies. <b>2017</b> , 73, 48-53		35
733	Telomeres, Nutrition, and Longevity: Can We Really Navigate Our Aging?. <b>2017</b> , 73, 39-47		40
732	Interventions to slow cardiovascular aging: Dietary restriction, drugs and novel molecules. <b>2018</b> , 109, 108-118		15
731	Non-human primates as a model for aging. <b>2018</b> , 1864, 2733-2741		49
730	Flipping the Metabolic Switch: Understanding and Applying the Health Benefits of Fasting. <b>2018</b> , 26, 254-268		210
729	Translating Mechanism-Based Strategies to Break the Obesity-Cancer Link: A Narrative Review. <b>2018</b> , 118, 652-667		15
728	Regulation of reproduction and longevity by nutrient-sensing pathways. <b>2018</b> , 217, 93-106		63
727	Alzheimer's disease in humans and other animals: A consequence of postreproductive life span and longevity rather than aging. <b>2018</b> , 14, 195-204		44
726	<i>Drosophila</i> as a model for ageing. <b>2018</b> , 1864, 2707-2717		72
725	Autophagy in diabetic kidney disease: regulation, pathological role and therapeutic potential. <b>2018</b> , 75, 669-688		105
724	The Emergence of Structured, Living, and Conscious Matter in the Evolution of the Universe: A Theory of Structural Evolution and Interaction of Matter. <b>2018</b> , 231-262		0

723	Nutritional regimens with periodically recurring phases of dietary restriction extend lifespan in <i>Drosophila</i> . <b>2018</b> , 32, 1993-2003		9
722	The role of epigenetics in cardiovascular health and ageing: A focus on physical activity and nutrition. <i>Mechanisms of Ageing and Development</i> , <b>2018</b> , 174, 76-85	5.6	18
721	Endovascular Ischemic Stroke Models in Nonhuman Primates. <b>2018</b> , 15, 146-155		8
720	NAMPT-Mediated NAD Biosynthesis as the Internal Timing Mechanism: In NAD <sup>+</sup> World, Time Is Running in Its Own Way. <b>2018</b> , 21, 210-224		12
719	The geometric framework: An approach for studying the impact of nutrition on healthy aging. <b>2018</b> , 27, 61-68		0
718	A Systematic Review on Natural Antioxidant Properties of Resveratrol. <b>2018</b> , 13, 1934578X1801300		11
717	Nutrition and Ageing. <b>2018</b> , 90, 373-424		4
716	Genomics of longevity: recent insights from research on centenarians. <b>2018</b> , 32, 1359-1366		0
715	A primer on ageing studies in mice: Considerations, opportunities and limitations. <b>2018</b> , 27, 23-29		
714	Disease or not, aging is easily treatable. <i>Aging</i> , <b>2018</b> , 10, 3067-3078	5.6	29
713	Stem Cell Aging. <b>2018</b> ,		1
712	Dietary protein restriction reduces circulating VLDL triglyceride levels via CREBH-APOA5-dependent and -independent mechanisms. <b>2018</b> , 3,		23
711	The effect of disease burden on the speed of aging: an analysis of the Sardinian mortality transition. <b>2018</b> , 74, 9		2
710	Development of Clinical Trials to Extend Healthy Lifespan. <b>2018</b> , 7, 80-83		35
709	Calorie restriction and its impact on gut microbial composition and global metabolism. <b>2018</b> , 12, 634-644		31
708	Zebrafish-A Model Organism for Studying the Neurobiological Mechanisms Underlying Cognitive Brain Aging and Use of Potential Interventions. <b>2018</b> , 6, 135		20
707	Calorie Restriction Mimetics: Upstream-Type Compounds for Modulating Glucose Metabolism. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	38
706	Phenoptosis: Programmed Death of an Organism. <b>2018</b> , 237-288		2

705	A time to fast. <i>Science</i> , <b>2018</b> , 362, 770-775	33.3	197
704	Selenocysteine mimics the effect of dietary restriction on lifespan via SKN-1 and retards age-associated pathophysiological changes in <i>Caenorhabditis elegans</i> . <b>2018</b> , 18, 5389-5398		7
703	Effects of food restriction on the expression of genes related to acetaminophen-induced liver toxicity in rats. <b>2018</b> , 31, 267-274		5
702	Energy restriction in renal protection. <b>2018</b> , 120, 1149-1158		17
701	Pharmaceutical Intervention of Aging. <b>2018</b> , 1086, 235-254		10
700	Mechanisms of Hematopoietic Stem Cell Ageing and Targets for Hematopoietic Tumour Prevention. <b>2018</b> , 1086, 117-140		2
699	Enhancing and Extending Biological Performance and Resilience. <b>2018</b> , 16, 1559325818784501		40
698	G Protein-Coupled Receptor Systems as Crucial Regulators of DNA Damage Response Processes. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	14
697	90th Anniversary Commentary: Caloric Restriction Effects on Aging. <b>2018</b> , 148, 1656-1659		5
696	Calorie Restriction Curbs Proinflammation That Accompanies Arterial Aging, Preserving a Youthful Phenotype. <b>2018</b> , 7, e009112		14
695	Major trauma and acceleration of the ageing process. <b>2018</b> , 48, 32-39		3
694	Fasting and cancer: molecular mechanisms and clinical application. <b>2018</b> , 18, 707-719		168
693	Lysosomes Mediate Benefits of Intermittent Fasting in Cardiometabolic Disease: The Janitor Is the Undercover Boss. <b>2018</b> , 8, 1639-1667		6
692	Mechanisms of Dysfunction in the Aging Vasculature and Role in Age-Related Disease. <b>2018</b> , 123, 825-848		160
691	Aging and Aging-Related Diseases. <b>2018</b> ,		6
690	The Systems Biology of Single-Cell Aging. <b>2018</b> , 7, 154-169		15
689	Translational Geroscience: From invertebrate models to companion animal and human interventions. <b>2018</b> , 2, 15-29		11
688	Detecting genome-wide directional effects of transcription factor binding on polygenic disease risk. <b>2018</b> , 50, 1483-1493		34

687	The effect of fasting or calorie restriction on autophagy induction: A review of the literature. <b>2018</b> , 47, 183-197	101
686	Gut microbiota mediates the anti-obesity effect of calorie restriction in mice. <b>2018</b> , 8, 13037	80
685	Nutritional Regulation of Intestinal Stem Cells. <b>2018</b> , 38, 273-301	27
684	Detection of Sirtuin-1 protein expression in peripheral blood leukocytes in dogs. <b>2018</b> , 80, 1068-1076	
683	Interventions to promote cardiometabolic health and slow cardiovascular ageing. <b>2018</b> , 15, 566-577	40
682	Obesity as an immune-modifying factor in cancer immunotherapy. <b>2018</b> , 104, 487-497	19
681	GSK3 $\beta$ Regulates Brain Energy Metabolism. <i>Cell Reports</i> , <b>2018</b> , 23, 1922-1931.e4	10.6 32
680	Employing proteomics to understand the effects of nutritional intervention in cancer treatment. <b>2018</b> , 410, 6371-6386	5
679	Mitochondria and Reactive Oxygen Species in Aging and Age-Related Diseases. <b>2018</b> , 340, 209-344	102
678	Decreased mitochondrial respiration in aneurysmal aortas of Fibulin-4 mutant mice is linked to PGC1A regulation. <b>2018</b> , 114, 1776-1793	32
677	Carnitine acetyltransferase (Crat) in hunger-sensing AgRP neurons permits adaptation to calorie restriction. <b>2018</b> , 32, fj201800634R	10
676	Reversing age-associated arterial dysfunction: insight from preclinical models. <b>2018</b> , 125, 1860-1870	6
675	Does Calorie Restriction in Primates Increase Lifespan? Revisiting Studies on Macaques ( <i>Macaca mulatta</i> ) and Mouse Lemurs ( <i>Microcebus murinus</i> ). <b>2018</b> , 40, e1800111	13
674	The Spectrum of Fundamental Basic Science Discoveries Contributing to Organismal Aging. <b>2018</b> , 33, 1568-1584	30
673	Lithocholic Acid Improves the Survival of <i>Drosophila Melanogaster</i> . <b>2018</b> , 62, e1800424	8
672	Lipid metabolism and transport define longevity of the yeast <i>Saccharomyces cerevisiae</i> . <b>2018</b> , 23, 1166-1194	13
671	The Aging Mitochondria. <b>2018</b> , 9,	59
670	Significant improvement in cardiometabolic health in healthy nonobese individuals during caloric restriction-induced weight loss and weight loss maintenance. <b>2018</b> , 314, E396-E405	59

669	Aging Hallmarks: The Benefits of Physical Exercise. <b>2018</b> , 9, 258		81
668	Regulation of Immune Cell Function by PPARs and the Connection with Metabolic and Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	26
667	DNA damage and oxidative stress in long-lived aquatic organisms. <b>2018</b> , 69, 14-23		10
666	Autophagy and Proteostasis in Cardiac Aging. <b>2018</b> , 171-186		1
665	Stem cell rejuvenation and the role of autophagy in age retardation by caloric restriction: An update. <i>Mechanisms of Ageing and Development</i> , <b>2018</b> , 175, 46-54	5.6	12
664	Combined Short-Term Glucose Starvation and Chemotherapy in 3D Colorectal Cancer Cell Culture Decreases 14-3-3 Family Protein Expression and Phenotypic Response to Therapy. <b>2018</b> , 29, 2012-2022		2
663	A low-protein diet exerts a beneficial effect on diabetic status and prevents diabetic nephropathy in Wistar fatty rats, an animal model of type 2 diabetes and obesity. <b>2018</b> , 15, 20		14
662	Acetylation of Mitochondrial Proteins in the Heart: The Role of SIRT3. <b>2018</b> , 9, 1094		74
661	Neuroimaging Biomarkers of mTOR Inhibition on Vascular and Metabolic Functions in Aging Brain and Alzheimer's Disease. <b>2018</b> , 10, 225		8
660	Caloric restriction inhibits mammary tumorigenesis in MMTV-ErbB2 transgenic mice through the suppression of ER and ErbB2 pathways and inhibition of epithelial cell stemness in premalignant mammary tissues. <b>2018</b> , 39, 1264-1273		7
659	Horizons in the evolution of aging. <b>2018</b> , 16, 93		86
658	A Framework for Uncovering the Roles of Calories and Macronutrients in Health and Aging. <b>2018</b> , 93-108		
657	Diet and longevity: The effects of traditional eating habits on human lifespan extension. <b>2018</b> , 11, 261-294		7
656	A Budding Topic: Modeling Aging and Longevity in Yeast. <b>2018</b> , 389-415		1
655	Sex and the Aging Immune System. <b>2018</b> , 803-830		1
654	Metabolic Aspects of Aging. <b>2018</b> , 155, 11-23		3
653	Modulation of intestinal microbiota and immunometabolic parameters by caloric restriction and lactic acid bacteria. <i>Food Research International</i> , <b>2019</b> , 124, 188-199	7	8
652	Influence of diet and metabolism on hematopoietic stem cells and leukemia development following ionizing radiation exposure. <b>2019</b> , 95, 452-479		6

651	Rapamycin Confers Neuroprotection Against Aging-Induced Oxidative Stress, Mitochondrial Dysfunction, and Neurodegeneration in Old Rats Through Activation of Autophagy. <b>2019</b> , 22, 60-70		21
650	Regulation of metabolic health by essential dietary amino acids. <i>Mechanisms of Ageing and Development</i> , <b>2019</b> , 177, 186-200	5.6	46
649	The Impact of Aging, Calorie Restriction and Dietary Fat on Autophagy Markers and Mitochondrial Ultrastructure and Dynamics in Mouse Skeletal Muscle. <b>2019</b> , 74, 760-769		17
648	Influence of Japanese diet consumption during pregnancy and lactation on lipid metabolism in offspring. <b>2019</b> , 58, 69-76		6
647	Lifestyle-based modifiable risk factors in multiple sclerosis: review of experimental and clinical findings. <b>2019</b> , 9, 149-172		30
646	The Molecular Physiology of Ageing: New Targets for Regenerative Medicine. <b>2019</b> , 15-29		
645	Short-term dietary restriction in old mice rejuvenates the aging-induced structural imbalance of gut microbiota. <b>2019</b> , 20, 837-848		16
644	Aging of the Brain. <b>2019</b> ,		
643	Phosphatidylcholine Extends Lifespan via DAF-16 and Reduces Amyloid-Beta-Induced Toxicity in. <b>2019</b> , 2019, 2860642		13
642	Epigenomic reprogramming of caloric restriction on aging. <b>2019</b> , 251-267		
641	Dietary restriction in the epigenomic regulation of cardiovascular diseases. <b>2019</b> , 269-287		
640	Molecular Marker and Therapeutic Regimen for Neurodegenerative Diseases. <b>2019</b> , 13-41		
639	Caloric restriction, longevity and aging: Recent contributions from human and non-human primate studies. <b>2019</b> , 95, 109702		28
638	Zymolytic Grain Extract (ZGE) Significantly Extends the Lifespan and Enhances the Environmental Stress Resistance of. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	3
637	Longevity: Lesson from Model Organisms. <b>2019</b> , 10,		31
636	2 years of calorie restriction and cardiometabolic risk (CALERIE): exploratory outcomes of a multicentre, phase 2, randomised controlled trial. <b>2019</b> , 7, 673-683		112
635	Encyclopedia of Gerontology and Population Aging. <b>2019</b> , 1-6		
634	Polysaccharide Extends Lifespan via Mitigating Endoplasmic Reticulum Stress in the Silkworm,. <b>2019</b> , 10, 1187-1198		8

633	Does senescence promote fitness in <i>Caenorhabditis elegans</i> by causing death?. <b>2019</b> , 50, 58-71		25
632	Fasting as a Therapy in Neurological Disease. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	19
631	Multidimensional informatic deconvolution defines gender-specific roles of hypothalamic GIT2 in aging trajectories. <i>Mechanisms of Ageing and Development</i> , <b>2019</b> , 184, 111150	5.6	4
630	Lower serum expression of miR-181c-5p is associated with increased plasma levels of amyloid-beta 1-40 and cerebral vulnerability in normal aging. <b>2019</b> , 8, 34		13
629	Recent Insights into the Mitochondrial Role in Autophagy and Its Regulation by Oxidative Stress. <b>2019</b> , 2019, 3809308		64
628	Autophagy Regulation of Innate Immunity. <b>2019</b> ,		1
627	The Microbiota-Gut-Brain Axis. <b>2019</b> , 99, 1877-2013		979
626	G Protein-Coupled Receptor Systems and Their Role in Cellular Senescence. <b>2019</b> , 17, 1265-1277		16
625	Ghrelin-Mediated Hippocampal Neurogenesis: Implications for Health and Disease. <b>2019</b> , 30, 844-859		13
624	Intentional Weight Loss and Obesity-Related Cancer Risk. <b>2019</b> , 3, pkz054		40
623	The pathobiology of polycystic kidney disease from a metabolic viewpoint. <b>2019</b> , 15, 735-749		35
622	Moving beyond the current limits of data analysis in longevity and healthy lifespan studies. <b>2019</b> , 24, 2273-2285		0
621	Drug development research for novel adiponectin receptor-targeted antidiabetic drugs contributing to healthy longevity. <b>2019</b> , 10, 237-244		7
620	A synergistic triad of chemotherapy, immune checkpoint inhibitors, and caloric restriction mimetics eradicates tumors in mice. <b>2019</b> , 8, e1657375		38
619	Dietary Restriction and Neuroinflammation: A Potential Mechanistic Link. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	15
618	Anti-aging: Myth or Reality. <b>2019</b> , 236-236		
617	Towards a unified mechanistic theory of aging. <b>2019</b> , 124, 110627		37
616	Slowing Down Ageing: The Role of Nutrients and Microbiota in Modulation of the Epigenome. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	20



615	Effects of short-term fasting on cancer treatment. <b>2019</b> , 38, 209		39
614	Mitochondria's Role in Skin Ageing. <b>2019</b> , 8,		22
613	Relationship of nutrigenomics and aging: Involvement of DNA methylation. <b>2019</b> , 16, 100098		2
612	The functional changes of the circadian system organization in aging. <b>2019</b> , 52, 64-71		20
611	The Impact of Caloric Restriction on the Epigenetic Signatures of Aging. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	39
610	Chemical Screening Approaches Enabling Drug Discovery of Autophagy Modulators for Biomedical Applications in Human Diseases. <b>2019</b> , 7, 38		26
609	Top-down Mass Spectrometry of Sarcomeric Protein Post-translational Modifications from Non-human Primate Skeletal Muscle. <b>2019</b> , 30, 2460-2469		21
608	Short-Term Fasting Induces Cell Cycle Arrest in Immature Hematopoietic Cells and Increases the Number of Naïve T Cells in the Bone Marrow of Mice. <b>2019</b> , 141, 189-198		6
607	Autophagy as a Homeostatic Mechanism in Response to Stress Conditions in the Central Nervous System. <b>2019</b> , 56, 6594-6608		22
606	The effects of calorie restriction, intermittent fasting and vegetarian diets on bone health. <b>2019</b> , 31, 753-758		17
605	Promoting healthspan and lifespan with caloric restriction in primates. <b>2019</b> , 2, 107		19
604	Regulatory mechanisms and clinical manifestations of musculoskeletal aging. <b>2019</b> , 37, 1475-1488		11
603	Targeting Mitochondrial Defects to Increase Longevity in Animal Models of Neurodegenerative Diseases. <b>2019</b> , 1134, 89-110		7
602	Sirtuins and Type 2 Diabetes: Role in Inflammation, Oxidative Stress, and Mitochondrial Function. <b>2019</b> , 10, 187		92
601	Genome-wide methylation is modified by caloric restriction in <i>Daphnia magna</i> . <b>2019</b> , 20, 197		11
600	Adult nutritional stress decreases oviposition choosiness and fecundity in female butterflies. <b>2019</b> , 30, 852-863		8
599	The Role of Curcumin in the Modulation of Ageing. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	55
598	Divergent Aging of Isogenic Yeast Cells Revealed through Single-Cell Phenotypic Dynamics. <b>2019</b> , 8, 242-253.e3		25

597	Targeting Serotonin Transporters in the Treatment of Juvenile and Adolescent Depression. <b>2019</b> , 13, 156	13
596	Fasten Die Kritik. <b>2019</b> , 109-119	
595	Conservation of physiological dysregulation signatures of aging across primates. <b>2019</b> , 18, e12925	16
594	Less is more or more is less: Implications of glucose metabolism in the regulation of the reproductive potential and total lifespan of the <i>Saccharomyces cerevisiae</i> yeast. <b>2019</b> , 234, 17622-17638	3
593	Modulation of autophagy in human diseases strategies to foster strengths and circumvent weaknesses. <b>2019</b> , 39, 1953-1999	2
592	Where and How in the mTOR Pathway Inhibitors Fight Aging: Rapamycin, Resveratrol, and Metformin. <b>2019</b> ,	1
591	ROLE of IGF-1 System in the Modulation of Longevity: Controversies and New Insights From a Centenarians' Perspective. <b>2019</b> , 10, 27	60
590	Neuropsychology of aging. <b>2019</b> , 167, 149-180	17
589	Effects of Intermittent Fasting on Health, Aging, and Disease. <b>2019</b> , 381, 2541-2551	410
588	Oxidative Stress, DNA Damage and Repair Pathways in Patients with Type 2 Diabetes Mellitus. <b>2019</b> ,	1
587	Are We Ill Because We Age?. <b>2019</b> , 10, 1508	24
586	Dietary Factors in the Control of Gut Homeostasis, Intestinal Stem Cells, and Colorectal Cancer. <i>Nutrients</i> , <b>2019</b> , 11,	6.7 11
585	Daily Fasting Improves Health and Survival in Male Mice Independent of Diet Composition and Calories. <b>2019</b> , 29, 221-228.e3	109
584	Obesity is a common soil for premature cardiac aging and heart diseases - Role of autophagy. <b>2019</b> , 1865, 1898-1904	11
583	Exceptional Human Longevity. <b>2019</b> , 94, 110-124	33
582	Antioxidant Diets and Functional Foods Promote Healthy Aging and Longevity Through Diverse Mechanisms of Action. <b>2019</b> , 541-563	4
581	Autophagy and aging: Maintaining the proteome through exercise and caloric restriction. <b>2019</b> , 18, e12876	81
580	The Biological Basis of Aging. <b>2019</b> , 415-444	1

579	Fasting enhances cold resistance in fish through stimulating lipid catabolism and autophagy. <b>2019</b> , 597, 1585-1603	43
578	Dendritic spines: Revisiting the physiological role. <b>2019</b> , 92, 161-193	76
577	Programmed longevity, youthspan, and juvenology. <b>2019</b> , 18, e12843	18
576	Mild Stress-Induced Hormesis: Hopes and Challenges. <b>2019</b> , 25-33	2
575	Implications of amino acid sensing and dietary protein to the aging process. <b>2019</b> , 115, 69-78	19
574	Pathology, Prevention and Therapeutics of Neurodegenerative Disease. <b>2019</b> ,	1
573	Mechanistic Insights into Neurodegenerative Diseases: The Potential for the Development of Novel Therapeutics. <b>2019</b> , 225-240	
572	Beneficial effects of dietary restriction in aging brain. <b>2019</b> , 95, 123-133	26
571	Role of Nicotinamide Adenine Dinucleotide and Related Precursors as Therapeutic Targets for Age-Related Degenerative Diseases: Rationale, Biochemistry, Pharmacokinetics, and Outcomes. <b>2019</b> , 30, 251-294	79
570	An Epigenetics-Based, Lifestyle Medicine-Driven Approach to Stress Management for Primary Patient Care: Implications for Medical Education. <b>2020</b> , 14, 294-303	4
569	Branched-Chain Amino Acids Have Equivalent Effects to Other Essential Amino Acids on Lifespan and Aging-Related Traits in Drosophila. <b>2020</b> , 75, 24-31	20
568	Sirtuins and their Biological Relevance in Aging and Age-Related Diseases. <b>2020</b> , 11, 927-945	23
567	Nutrition and longevity - From mechanisms to uncertainties. <b>2020</b> , 60, 3063-3082	24
566	Neuronal Mechanisms that Drive Organismal Aging Through the Lens of Perception. <b>2020</b> , 82, 227-249	3
565	MicroRNA 16-5p is upregulated in calorie-restricted mice and modulates inflammatory cytokines of macrophages. <b>2020</b> , 725, 144191	15
564	Effect of calorie restriction or protein intake on circulating levels of insulin like growth factor I in humans: A systematic review and meta-analysis. <b>2020</b> , 39, 1705-1716	9
563	Why do sexes differ in lifespan extension? Sex-specific pathways of aging and underlying mechanisms for dimorphic responses. <b>2020</b> , 5, 247-259	7
562	A functional unfolded protein response is required for chronological aging in <i>Saccharomyces cerevisiae</i> . <b>2020</b> , 66, 263-277	4

561 Moonshots for aging. **2020**, 5, 239-246

560 Caloric restriction maintains stem cells through niche and regulates stem cell aging. **2020**, 98, 25-37

11

559 Childhood Obesity, Cortical Structure, and Executive Function in Healthy Children. **2020**, 30, 2519-2528

41

558 Systemic GDF11 stimulates the secretion of adiponectin and induces a calorie restriction-like phenotype in aged mice. **2020**, 19, e13038

11

557 Phosphatidylserine modulates response to oxidative stress through hormesis and increases lifespan via DAF-16 in *Caenorhabditis elegans*. **2020**, 21, 231-244

11

556 Cardiac changes associated with vascular aging. **2020**, 43, 92-98

14

555 Current nutritional and pharmacological anti-aging interventions. **2020**, 1866, 165612

17

554 Effect of dietary lipid on biochemical activities and fitness of house fly, *Musca domestica* L. (Diptera: Muscidae). **2020**, 40, 251-257

553 Thermodynamic Modeling of the Competition Between Cancer and Normal Cells. **2020**, 45, 19-25

552 Nutrient sensing, the oxidative stress response, and stem cell aging. **2020**, 427-446

551 Factors that affect the translation of dietary restriction into a longer life. **2020**, 72, 814-824

6

550 Healthful aging mediated by inhibition of oxidative stress. **2020**, 64, 101194

39

549 Short-term fasting accompanying chemotherapy as a supportive therapy in gynecological cancer: protocol for a multicenter randomized controlled clinical trial. **2020**, 21, 854

4

548 Understanding Dietary Intervention-Mediated Epigenetic Modifications in Metabolic Diseases. **2020**, 11, 590369

6

547 Ce qui ne tue pas rend plus fort : la promesse des restrictions alimentaires ?. **2020**, 34, 207-210

546 The ageing kidney: Molecular mechanisms and clinical implications. **2020**, 63, 101151

14

545 Time-restricted feeding (TRF) for prevention of age-related vascular cognitive impairment and dementia. **2020**, 64, 101189

14

544 Signaling pathways of dietary energy restriction and metabolism on brain physiology and in age-related neurodegenerative diseases. *Mechanisms of Ageing and Development*, **2020**, 192, 111364

5.6

1

543	Calorie Restriction Increases the Number of Competing Stem Cells and Decreases Mutation Retention in the Intestine. <i>Cell Reports</i> , <b>2020</b> , 32, 107937	10.6	15
542	Dynamics of breast tumor incidence, tumor volume and serum metabolic hormones in calorie restricted rats. <b>2021</b> , 96, 339-346		2
541	Peroxisome Proliferator-Activated Receptors as Molecular Links between Caloric Restriction and Circadian Rhythm. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	6
540	Caloric Restriction, Longevity and Coenzyme Q. <b>2020</b> , 311-328		
539	Appetite control: hormones or diet strategies?. <b>2020</b> , 23, 328-335		10
538	Peroxisome Proliferator-Activated Receptors and Caloric Restriction-Common Pathways Affecting Metabolism, Health, and Longevity. <b>2020</b> , 9,		18
537	Gut Microbiota during Dietary Restrictions: New Insights in Non-Communicable Diseases. <b>2020</b> , 8,		11
536	Interplay between Cellular Metabolism and the DNA Damage Response in Cancer. <b>2020</b> , 12,		10
535	Life span extension by glucose restriction is abrogated by methionine supplementation: Cross-talk between glucose and methionine and implication of methionine as a key regulator of life span. <b>2020</b> , 6, eaba1306		17
534	Epigallocatechin-3-gallate preconditioned Adipose-derived Stem Cells confer Neuroprotection in aging rat brain. <b>2020</b> , 17, 1916-1926		1
533	Coenzyme Q in Aging. <b>2020</b> ,		1
532	The Potential of Fasting and Caloric Restriction to Mitigate Radiation Damage-A Systematic Review. <b>2020</b> , 7, 584543		4
531	Nonhuman primates exposed to Zika virus in utero are not protected against reinfection at 1 year postpartum. <b>2020</b> , 12,		1
530	Supplementation with Red Wine Extract Increases Insulin Sensitivity and Peripheral Blood Mononuclear Sirt1 Expression in Nondiabetic Humans. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	4
529	Physiological profile regulation during weight gain and loss by ovariectomized females: importance of SIRT1 and SIRT4. <b>2020</b> , 319, E769-E778		0
528	Role of the gut microbiome for cancer patients receiving immunotherapy: Dietary and treatment implications. <b>2020</b> , 138, 149-155		24
527	Cell death in <i>Ustilago maydis</i> : comparison with other fungi and the effect of metformin and curcumin on its chronological lifespan. <b>2020</b> , 20,		1
526	Mechanism of Activation of Mechanistic Target of Rapamycin Complex 1 by Methionine. <b>2020</b> , 8, 715		8

525	Why does caloric restriction increase life and healthspan? The 'clean cupboards' hypothesis. <b>2020</b> , 7, 1153-1156		8
524	Everything in moderation: Understanding the interplay between salt and sugar intake. <b>2020</b> , 22, 2385-2386		1
523	Healthy Lifestyle Recommendations: Do the Beneficial Effects Originate from NAD Amount at the Cellular Level?. <b>2020</b> , 2020, 8819627		4
522	Dietary patterns and the neoplastic-prone tissue landscape of old age. <b>2020</b> , 1, 45-57		0
521	Still Living Better through Chemistry: An Update on Caloric Restriction and Caloric Restriction Mimetics as Tools to Promote Health and Lifespan. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21, 21,	6.3	3
520	How Far Are We from Prescribing Fasting as Anticancer Medicine?. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	9
519	Nutrition in Cancer Therapy in the Elderly-An Epigenetic Connection?. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	5
518	Fasting to enhance Cancer treatment in models: the next steps. <b>2020</b> , 27, 58		5
517	Intermittent fasting and 'metabolic switch': Effects on metabolic syndrome, prediabetes and type 2 diabetes. <b>2020</b> , 22, 1496-1510		15
516	Moringa Isothiocyanate-rich Seed Extract Delays the Onset of Diabetes in UC Davis Type-2 Diabetes Mellitus Rats. <b>2020</b> , 10, 8861		3
515	How can aging be reversed? Exploring rejuvenation from a damage-based perspective. <b>2020</b> , 1, e10025		2
514	Untangling Determinants of Enhanced Health and Lifespan through a Multi-omics Approach in Mice. <b>2020</b> , 32, 100-116.e4		27
513	Short-term very low caloric intake causes endothelial dysfunction and increased susceptibility to cardiac arrhythmias and pathology in male rats. <b>2020</b> , 105, 1172-1184		6
512	Mitochondrial Quality Control and Cellular Proteostasis: Two Sides of the Same Coin. <b>2020</b> , 11, 515		21
511	Nutrition in Cancer: Evidence and Equality. <b>2020</b> , 5, 817-823		3
510	The quest to slow ageing through drug discovery. <b>2020</b> , 19, 513-532		91
509	Nutraceuticals for Promoting Longevity. <b>2020</b> , 1, 18-32		2
508	Lifespan and healthspan benefits of exogenous HS in are independent from effects downstream of mutation. <b>2020</b> , 6, 6		11

507	mRNA expression of ageing-associated genes in calorie reduction is subject to donor variability and can be induced by calorie restriction mimetics. <b>2020</b> , 26, 253-262	
506	Managing Metastatic Thymoma With Metabolic and Medical Therapy: A Case Report. <b>2020</b> , 10, 578	3
505	Is Mitochondrial Dysfunction a Common Root of Noncommunicable Chronic Diseases?. <b>2020</b> , 41,	29
504	Dietary Restriction Improves Fitness of Aging Parents But Reduces Fitness of Their Offspring in Nematodes. <b>2020</b> , 75, 843-848	8
503	The Effects of Meal Timing and Frequency, Caloric Restriction, and Fasting on Cardiovascular Health: an Overview. <b>2020</b> , 9, 140-152	6
502	[Metabolic Alteration in Aging Process: Metabolic Remodeling in White Adipose Tissue by Caloric Restriction]. <b>2020</b> , 140, 383-389	0
501	The Effects of Graded Levels of Calorie Restriction XV: Phase Space Attractors Reveal Distinct Behavioral Phenotypes. <b>2020</b> , 75, 858-866	1
500	Food and Age: It Takes Two to Degenerate. <b>2020</b> , 12, 182	1
499	Early-life food deprivation and cognitive performance among older Europeans. <b>2020</b> , 141, 26-32	3
498	Targeting Cardiac Stem Cell Senescence to Treat Cardiac Aging and Disease. <b>2020</b> , 9,	29
497	Does Calorie Restriction Modulate Inflammaging via FoxO Transcription Factors?. <i>Nutrients</i> , <b>2020</b> , 12,	6.7 2
496	Eosinophils regulate adipose tissue inflammation and sustain physical and immunological fitness in old age. <b>2020</b> , 2, 688-702	28
495	Calorie restriction promotes remyelination in a Cuprizone-Induced demyelination mouse model of multiple sclerosis. <b>2020</b> , 35, 1211-1224	5
494	Rationale and protocol for a randomized controlled trial comparing daily calorie restriction versus intermittent fasting to improve glycaemia in individuals at increased risk of developing type 2 diabetes. <b>2020</b> , 14, 176-183	3
493	Short-term time-restricted feeding is safe and feasible in non-obese healthy midlife and older adults. <b>2020</b> , 42, 667-686	43
492	Molecular and Functional Networks Linked to Sarcopenia Prevention by Caloric Restriction in Rhesus Monkeys. <b>2020</b> , 10, 156-168.e5	15
491	Mitochondrial Adaptations in the Growing Heart. <b>2020</b> , 31, 308-319	8
490	Intragenic repeat expansion in the cell wall protein gene controls yeast chronological aging. <b>2020</b> , 30, 697-710	10

489	Mechanisms of Lifespan Regulation by Calorie Restriction and Intermittent Fasting in Model Organisms. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	43
488	Depot-specific regulation of NAD/SIRT6 metabolism identified in adipose tissue of mice in response to high-fat diet feeding or calorie restriction. <b>2020</b> , 80, 108377		6
487	Supplementation with a putative calorie restriction mimetic micronutrient blend increases glutathione concentrations and improves neuroenergetics in brain of healthy middle-aged men and women. <b>2020</b> , 153, 112-121		1
486	Calorie restriction improves aging-induced impairment of cognitive function in relation to deregulation of corticosterone status and brain regional GABA system. <i>Mechanisms of Ageing and Development</i> , <b>2020</b> , 189, 111248	5.6	7
485	Calorie Restriction Improves Physical Performance and Modulates the Antioxidant and Inflammatory Responses to Acute Exercise. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	2
484	Effect of caloric restriction on phosphate metabolism and uremic vascular calcification. <b>2020</b> , 318, F1188-F1198		
483	The effect of caloric restriction on blood pressure and cardiovascular function: A systematic review and meta-analysis of randomized controlled trials. <b>2021</b> , 40, 728-739		9
482	Diabetes-Alzheimer's Disease Link: Targeting Mitochondrial Dysfunction and Redox Imbalance. <b>2021</b> , 34, 631-649		10
481	Targeting ageing and preventing organ degeneration with metformin. <b>2021</b> , 47, 101203		8
480	The Potential of Resveratrol to Act as a Caloric Restriction Mimetic Appears to Be Limited: Insights from Studies in Mice. <b>2021</b> , 12, 995-1005		1
479	Sestrin is a key regulator of stem cell function and lifespan in response to dietary amino acids. <b>2021</b> , 1, 60-72		11
478	Dysbiosis, malnutrition and enhanced gut-lung axis contribute to age-related respiratory diseases. <b>2021</b> , 66, 101235		14
477	Nutritional Preconditioning in Cancer Treatment in Relation to DNA Damage and Aging.. <b>2021</b> , 5, 161-179		4
476	Caloric restriction mimetics for the treatment of cardiovascular diseases. <b>2021</b> , 117, 1434-1449		7
475	Pathogen Dynamics across the Diversity of Aging. <b>2021</b> , 197, 203-215		2
474	Amino Acids Whose Intracellular Levels Change Most During Aging Alter Chronological Life Span of Fission Yeast. <b>2021</b> , 76, 205-210		4
473	Calorie restriction delays cardiac senescence and improves cardiac function in obese diabetic rats. <b>2021</b> , 476, 221-229		2
472	A Non-human Primate Model for Cerebral Stroke. <b>2021</b> , 65-73		



471	Effects of dietary restriction on neuroinflammation in neurodegenerative diseases. <b>2021</b> , 218,	12
470	Exercise-Mediated Autophagy and Brain Aging. <b>2021</b> , 103-125	
469	TOR Signaling Pathway in Cardiac Aging and Heart Failure. <b>2021</b> , 11,	5
468	Cardiac aging. <b>2021</b> , 323-344	
467	Aging in nonhuman primates. <b>2021</b> , 237-248	
466	extends lifespan through activation of DAF-16-mediated antioxidant pathway in .. <b>2022</b> , 70, 7-13	1
465	The Role of Oxidative Stress in Cardiovascular Aging and Cardiovascular Diseases. <b>2021</b> , 11,	15
464	International Harmonization of Nomenclature and Diagnostic Criteria (INHAND): Non-proliferative and Proliferative Lesions of the Non-human Primate (). <b>2021</b> , 34, 1S-182S	2
463	Intermittent fasting: a health panacea or just calorie restriction?. <b>2021</b> , 287-296	
462	Fasting and fasting-mimicking diets for chemotherapy augmentation. <b>2021</b> , 43, 1201-1216	3
461	Nonhuman Primates in Biomedical Research. <b>2021</b> , 313-341	0
460	DHEA as a biomarker of aging in humans and nonhuman primates. <b>2021</b> , 269-278	
459	A dietary sterol trade-off determines lifespan responses to dietary restriction in females. <i>ELife</i> , <b>2021</b> , 10,	8.9 13
458	Gastrodin extends the lifespan and protects against neurodegeneration in the Drosophila PINK1 model of Parkinson's disease. <b>2021</b> , 12, 7816-7824	4
457	Nerve injury and repair in a ketogenic milieu: A systematic review of traumatic injuries to the spinal cord and peripheral nervous tissue. <b>2021</b> , 16, e0244244	4
456	Intermittent and periodic fasting, longevity and disease.. <b>2021</b> , 1, 47-59	24
455	A multi-level assessment of the bidirectional relationship between aging and the circadian clock. <b>2021</b> , 157, 73-94	4
454	Deep learning for robust and flexible tracking in behavioral studies for C. elegans.	1

453	Skeletal muscle-specific forkhead box protein-O1 overexpression suppresses atherosclerosis progression in apolipoprotein E-knockout mice. <b>2021</b> , 540, 61-66		
452	Sirtuin-7 as a Novel Therapeutic Target in Vascular Smooth Muscle Cell Proliferation and Remodeling. <b>2021</b> , 85, 2241-2242		0
451	Immunity Depletion, Telomere Imbalance, and Cancer-associated Metabolism Pathway Aberrations in Intestinal Mucosa upon Caloric Restriction.		
450	Lifestyle's influence on community-dwelling older adults' health: A mixed-methods study design. <b>2021</b> , 21, 100687		3
449	Late-life intermittent fasting decreases aging-related frailty and increases renal hydrogen sulfide production in a sexually dimorphic manner. <b>2021</b> , 43, 1527-1554		8
448	Nutrition and upper gastrointestinal cancers: An overview of current understandings. <b>2021</b> ,		2
447	Metabolomics and cardiovascular imaging: a combined approach for cardiovascular ageing. <b>2021</b> , 8, 1738-1750		6
446	Identification of Sox2 and NeuN Double-Positive Cells in the Mouse Hypothalamic Arcuate Nucleus and Their Reduction in Number With Aging. <b>2020</b> , 12, 609911		1
445	An automated feeding system for the African killifish reveals effects of dietary restriction on lifespan and allows scalable assessment of associative learning.		0
444	Metabolic Reprogramming by Reduced Calorie Intake or Pharmacological Caloric Restriction Mimetics for Improved Cancer Immunotherapy. <b>2021</b> , 13,		6
443	An Intermittent Fasting Mimicking Nutrition Bar Extends Physiologic Ketosis in Time Restricted Eating: A Randomized, Controlled, Parallel-Arm Study. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	1
442	Effects of Calorie Restriction on Health Span and Insulin Resistance: Classic Calorie Restriction Diet vs. Ketosis-Inducing Diet. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	4
441	The influence of fasting and caloric restriction on inflammation levels in humans: A protocol for systematic review and meta analysis. <b>2021</b> , 100, e25509		1
440	Targeting Premature Renal Aging: from Molecular Mechanisms of Cellular Senescence to Senolytic Trials. <b>2021</b> , 12, 630419		2
439	Cytoplasmic DNA sensing by KU complex in aged CD4 T'cell potentiates T'cell activation and aging-related autoimmune inflammation. <b>2021</b> , 54, 632-647.e9		12
438	ARALIKLI AÜİK DİYETLERİNİN GLUKOZ HOMEOSTAZI VE LİPİT METABOLİZMASI ÜZERİNE ETKİLERİ		0
437	Intermittent fasting and caloric restriction interact with genetics to shape physiological health in mice.		0
436	Perfluorooctanesulfonic Acid (PFOS) Thwarts the Beneficial Effects of Calorie Restriction and Metformin. <b>2021</b> , 182, 82-95		9

435 Effect of Diet as a Factor of Exposome on Brain Function. **2021**, 57, 577-604

434 "Smart Tanks": An Intelligent High-Throughput Intervention Testing Platform in Daphnia.

2

433 Cellular metabolism and diseases. **2021**, 178, 2031-2033

0

432 Rhesus monkeys as a translational model for late-onset Alzheimer's disease. **2021**, 20, e13374

1

431 Advanced Retinal Imaging and Ocular Parameters of the Rhesus Macaque Eye. **2021**, 10, 7

5

430 Fasting: How to Guide. *Nutrients*, **2021**, 13,

6.7 0

429 Beneficial Gut Microbiome Remodeled During Intermittent Fasting in Humans. **2021**, 24, 234-237

2

428 Beyond weight loss: current perspectives on the impact of calorie restriction on healthspan and lifespan. **2021**, 16, 95-108

3

427 Studies of aging nonhuman primates illuminate the etiology of early-stage Alzheimer's-like neuropathology: An evolutionary perspective. **2021**, 83, e23254

8

426 Visceral Adiposity and Cancer: Role in Pathogenesis and Prognosis. *Nutrients*, **2021**, 13,

6.7 3

425 Immunity Depletion, Telomere Imbalance, and Cancer-Associated Metabolism Pathway Aberrations in Intestinal Mucosa upon Short-Term Caloric Restriction. **2021**, 13,

424 The effect of caloric restriction on the increase in senescence-associated T cells and metabolic disorders in aged mice. **2021**, 16, e0252547

3

423 Modeling transcriptomic age using knowledge-primed artificial neural networks. **2021**, 7, 15

1

422 Caloric Restriction and Cardiovascular Health: the Good, the Bad, and the Renin-Angiotensin System. **2021**, 36, 220-234

1

421 Ketogenic Diet in Cancer Prevention and Therapy: Molecular Targets and Therapeutic Opportunities. **2021**, 43, 558-589

8

420 Sarcopenia: What Is the Origin of This Aging-Induced Disorder?. **2021**, 12, 688526

5

419 Mammalian/mechanistic target of rapamycin (mTOR) complexes in neurodegeneration. **2021**, 16, 44

21

418 The old guard: Age-related changes in microglia and their consequences. *Mechanisms of Ageing and Development*, **2021**, 197, 111512

5.6 7

417	The Potential of Calorie Restriction and Calorie Restriction Mimetics in Delaying Aging: Focus on Experimental Models. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	4
416	Differential Gene Expression and Biological Analyses of Primary Hepatocytes Following D-Chiro-Inositol Supplement. <b>2021</b> , 12, 700049		2
415	[Geroscience in times of global pandemic by COVID-19]. <b>2021</b> , 56, 323-325		
414	Cellular senescence and the senescence-associated secretory phenotype: Potential therapeutic targets for renal fibrosis. <b>2021</b> , 151, 111403		3
413	A Review of the Impact of Calorie Restriction on Stem Cell Potency. <b>2021</b> , 28, 5-13		0
412	Aging and Cancer: The Waning of Community Bonds. <b>2021</b> , 10,		0
411	Microbiota-Centered Interventions: The Next Breakthrough in Immuno-Oncology?. <b>2021</b> , 11, 2396-2412		14
410	Protein networks linking Warburg and reverse Warburg effects to cancer cell metabolism. <b>2021</b> , 47, 713-728		2
409	A Critical Review of the Evidence That Metformin Is a Putative Anti-Aging Drug That Enhances Healthspan and Extends Lifespan. <b>2021</b> , 12, 718942		17
408	SIRT1: a promising therapeutic target in type 2 diabetes mellitus. <b>2021</b> , 1-16		1
407	Intermittent fasting in the prevention and treatment of cancer. <b>2021</b> , 71, 527-546		9
406	Frailty and Biological Age. <b>2021</b> , 25, 141-149		5
405	The Effects of Intermittent Fasting on Brain and Cognitive Function. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	5
404	Molecular pathology of rare progeroid diseases. <b>2021</b> , 27, 907-922		4
403	Epigenetic clock and methylation studies in the rhesus macaque. <b>2021</b> , 43, 2441-2453		10
402	Long-term effects of wildfire smoke exposure during early-life on the nasal epigenome in rhesus macaques.		
401	Safety and efficacy of an engineered hepatotropic AAV gene therapy for ornithine transcarbamylase deficiency in cynomolgus monkeys. <b>2021</b> , 23, 135-146		4
400	Calorie intake rather than food quantity consumed is the key factor for the anti-aging effect of calorie restriction. <i>Aging</i> , <b>2021</b> , 13, 21526-21546	5.6	0

399	Loss of Sirt6 in adipocytes impairs the ability of adipose tissue to adapt to intermittent fasting. <b>2021</b> , 53, 1298-1306	0
398	Intermittent fasting versus continuous energy-restricted diet for patients with type 2 diabetes mellitus and metabolic syndrome for glycemic control: A systematic review and meta-analysis of randomized controlled trials. <b>2021</b> , 179, 109003	2
397	Intermittent fasting and caloric restriction interact with genetics to shape physiological health in mice. <b>2021</b> ,	0
396	Intermittent fasting in paediatric critical illness: The properties and potential beneficial effects of an overnight fast in the PICU. <b>2021</b> , 40, 5122-5132	0
395	Nutrition and cellular senescence in obesity-related disorders. <b>2022</b> , 99, 108861	2
394	Lamin regulates the dietary restriction response via the mTOR pathway in <i>Caenorhabditis elegans</i> . <b>2021</b> , 134,	1
393	Intermittent and Periodic Fasting, Hormones, and Cancer Prevention. <b>2021</b> , 13,	4
392	Integrative Medicine and Ageing. <b>2021</b> , 28, 383-386	0
391	DNA methylation age analysis of rapamycin in common marmosets. <b>2021</b> , 43, 2413-2425	10
390	Use of a short-term nutritional supplementation for transcriptional profiling of liver tissues in sheep. <b>2021</b> , 203, 106464	
389	Principles of brain aging: Status and challenges of modeling human molecular changes in mice. <b>2021</b> , 72, 101465	1
388	Transcriptional response to cold and fasting acclimation in <i>Onychostoma macrolepis</i> during the overwintering stage. <b>2021</b> , 40, 100901	0
387	Injury and regeneration in renal aging. <b>2022</b> , 281-301	
386	The role of mTOR in age-related diseases. <b>2021</b> , 36, 1679-1693	6
385	Mediterranean diet and the hallmarks of ageing. <b>2021</b> , 75, 1176-1192	17
384	Effect of lactate administration on mouse skeletal muscle under calorie restriction. <b>2021</b> , 4, 202-208	1
383	Effects of Caloric Restriction Diet on Arterial Hypertension and Endothelial Dysfunction. <i>Nutrients</i> , <b>2021</b> , 13,	6.7 9
382	Impact of supervised beego, a traditional Chinese water-only fasting, on thrombosis and haemostasis. <b>2021</b> , 4, 4-17	2

381	Epigenetic dysregulation in cardiovascular aging and disease. <b>2021</b> , 1,	1
380	Updates on mitochondria, calorie restriction, and aging. <b>2021</b> , 99-117	
379	Changing Functional Signatures of Microglia along the Axis of Brain Aging. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3 7
378	Human Energetics. 325-384	9
377	Calories and Cancer: The Role of Insulin-Like Growth Factor-1. <b>2012</b> , 231-243	1
376	Calorie Restriction and Cancer Prevention: Established and Emerging Mechanisms. <b>2013</b> , 363-379	1
375	Metabolic Biomarkers in Aging and Anti-Aging Research. <b>2019</b> , 1178, 247-264	3
374	Lifestyle Intervention to Prevent Age-Related Hearing Loss: Calorie Restriction. <b>2020</b> , 1-21	1
373	Mitochondrial Reactive Oxygen Species in Cellular Senescence. <b>2016</b> , 169-185	4
372	Mitochondria, Oxidative Stress, Cancer, and Aging. <b>2020</b> , 183-204	3
371	Nonhuman Primate Models of Immunosenescence. <b>2018</b> , 1-28	1
370	Plant Polyphenols in Healthcare and Aging. <b>2017</b> , 267-282	1
369	Targeting type 2 diabetes. <b>2011</b> , 1-33	6
368	Cognitive Enhancers. <b>2012</b> , 773-784	0
367	Role of Oxidative Stress in Vascular Endothelial Cells Through Aging Is a Double-Edged Sword. <b>2014</b> , 1383-1403	1
366	Food Intake, Life Style, Aging and Human Longevity. <b>2010</b> , 15-41	2
365	Role of IGF-1 in Age-Related Loss of Skeletal Muscle Mass and Function. <b>2011</b> , 393-418	3
364	Dietary Restriction as a Potential Intervention to Retard Age-associated Impairment of Brain Functions. <b>2012</b> , 147-157	1

363	Autophagy and Immune-Related Diseases. <b>2019</b> , 1209, 167-179	13
362	Cardiovascular Effects of Aging in PrimatesGender Differences. <b>2011</b> , 385-404	1
361	Autophagy attenuates high glucose-induced oxidative injury to lens epithelial cells. <b>2020</b> , 40,	5
360	Caloric Restriction Remodels Energy Metabolic Pathways of Gut Microbiota and Promotes Host Autophagy.	1
359	A dietary sterol trade off determines lifespan responses to dietary restriction in <i>Drosophila melanogaster</i> .	0
358	Time-restricted feeding prolongs lifespan in <i>Drosophila</i> in a peripheral clock-dependent manner.	1
357	Epigenetic clock and methylation studies in the rhesus macaque.	10
356	DNA methylation age analysis of rapamycin in common marmosets.	3
355	Detecting genome-wide directional effects of transcription factor binding on polygenic disease risk.	6
354	Hepatocyte ALOXE3 is induced during adaptive fasting and enhances insulin sensitivity by activating hepatic PPARα <b>2018</b> , 3,	17
353	Coming of age: molecular drivers of aging and therapeutic opportunities. <b>2013</b> , 123, 946-50	101
352	Tuberous sclerosis complex-mediated mTORC1 overactivation promotes age-related hearing loss. <b>2018</b> , 128, 4938-4955	31
351	Plant-based nutrition for healthcare professionals: implementing diet as a primary modality in the prevention and treatment of chronic disease. <b>2017</b> , 14, 355-368	35
350	Energy efficiency as a unifying principle for human, environmental, and global health. <b>2013</b> , 2, 101	6
349	Preconditioning strategies to prevent acute kidney injury. <b>2020</b> , 9,	5
348	Longevity and aging. <b>2013</b> , 5, 5	83
347	Cellular Senescence in Arterial Diseases. <b>2020</b> , 9, 79-91	7
346	p16(INK4a) suppression by glucose restriction contributes to human cellular lifespan extension through SIRT1-mediated epigenetic and genetic mechanisms. <b>2011</b> , 6, e17421	60

345	The MDT-15 subunit of mediator interacts with dietary restriction to modulate longevity and fluoranthene toxicity in <i>Caenorhabditis elegans</i> . <b>2011</b> , 6, e28036	6	
344	Telomerase reverse transcriptase synergizes with calorie restriction to increase health span and extend mouse longevity. <b>2013</b> , 8, e53760	65	
343	AMP activated protein kinase is indispensable for myocardial adaptation to caloric restriction in mice. <b>2013</b> , 8, e59682	28	
342	The relationship between leukocyte mitochondrial DNA copy number and telomere length in community-dwelling elderly women. <b>2013</b> , 8, e67227	61	
341	Independent and additive effects of glutamic acid and methionine on yeast longevity. <b>2013</b> , 8, e79319	53	
340	Evolution of human longevity uncoupled from caloric restriction mechanisms. <b>2014</b> , 9, e84117	12	
339	Dietary restriction and fasting arrest B and T cell development and increase mature B and T cell numbers in bone marrow. <b>2014</b> , 9, e87772	26	
338	Preoperative fasting protects against renal ischemia-reperfusion injury in aged and overweight mice. <b>2014</b> , 9, e100853	19	
337	Quantification of protein copy number in yeast: the NAD <sup>+</sup> metabolome. <b>2014</b> , 9, e106496	8	
336	Diet modification and metformin have a beneficial effect in a fly model of obesity and mucormycosis. <b>2014</b> , 9, e108635	18	
335	A conserved transcriptional signature of delayed aging and reduced disease vulnerability is partially mediated by SIRT3. <b>2015</b> , 10, e0120738	23	
334	A draft map of rhesus monkey tissue proteome for biomedical research. <b>2015</b> , 10, e0126243	2	
333	Dietary Restriction Affects Neuronal Response Property and GABA Synthesis in the Primary Visual Cortex. <b>2016</b> , 11, e0149004	10	
332	Resveratrol inhibits androgen production of human adrenocortical H295R cells by lowering CYP17 and CYP21 expression and activities. <b>2017</b> , 12, e0174224	24	
331	The effect of aging on the autophagic and heat shock response in human peripheral blood mononuclear cells. <b>2018</b> , 105, 247-256	6	
330	The Interaction between Metabolic Disease and Ageing. <b>2014</b> , 1, 007-011	2	
329	Autophagy mediates pharmacological lifespan extension by spermidine and resveratrol. <i>Aging</i> , <b>2009</b> , 1, 961-70	5.6	161
328	Impact papers on aging in 2009. <i>Aging</i> , <b>2010</b> , 2, 111-21	5.6	29



327	Chemical genetic screen identifies lithocholic acid as an anti-aging compound that extends yeast chronological life span in a TOR-independent manner, by modulating housekeeping longevity assurance processes. <i>Aging</i> , <b>2010</b> , 2, 393-414	5.6	88
326	SIRT-ain relief from age-inducing stress. <i>Aging</i> , <b>2011</b> , 3, 158-61	5.6	12
325	Does hypothalamic SIRT1 regulate aging?. <i>Aging</i> , <b>2011</b> , 3, 325-8	5.6	16
324	SkQ1 treatment and food restriction--two ways to retard an aging program of organisms. <i>Aging</i> , <b>2011</b> , 3, 1045-50	5.6	23
323	Inflammaging: disturbed interplay between autophagy and inflammasomes. <i>Aging</i> , <b>2012</b> , 4, 166-75	5.6	313
322	How to save Medicare: the anti-aging remedy. <i>Aging</i> , <b>2012</b> , 4, 547-52	5.6	34
321	Mechanistic or mammalian target of rapamycin (mTOR) may determine robustness in young male mice at the cost of accelerated aging. <i>Aging</i> , <b>2012</b> , 4, 899-916	5.6	40
320	Macromitophagy is a longevity assurance process that in chronologically aging yeast limited in calorie supply sustains functional mitochondria and maintains cellular lipid homeostasis. <i>Aging</i> , <b>2013</b> , 5, 234-69	5.6	53
319	Lipid-lowering fibrates extend <i>C. elegans</i> lifespan in a NHR-49/PPARalpha-dependent manner. <i>Aging</i> , <b>2013</b> , 5, 270-5	5.6	18
318	Rapamycin doses sufficient to extend lifespan do not compromise muscle mitochondrial content or endurance. <i>Aging</i> , <b>2013</b> , 5, 539-50	5.6	42
317	Will calorie restriction work in humans?. <i>Aging</i> , <b>2013</b> , 5, 507-14	5.6	94
316	Dietary switch reveals fast coordinated gene expression changes in <i>Drosophila melanogaster</i> . <i>Aging</i> , <b>2014</b> , 6, 355-68	5.6	35
315	Target of rapamycin signalling mediates the lifespan-extending effects of dietary restriction by essential amino acid alteration. <i>Aging</i> , <b>2014</b> , 6, 390-8	5.6	39
314	Dysregulation of SIRT-1 in aging mice increases skeletal muscle fatigue by a PARP-1-dependent mechanism. <i>Aging</i> , <b>2014</b> , 6, 820-34	5.6	48
313	Serum from calorie-restricted animals delays senescence and extends the lifespan of normal human fibroblasts in vitro. <i>Aging</i> , <b>2015</b> , 7, 152-66	5.6	15
312	Reversal of phenotypes of cellular senescence by pan-mTOR inhibition. <i>Aging</i> , <b>2016</b> , 8, 231-44	5.6	64
311	The role of hydrogen sulfide in aging and age-related pathologies. <i>Aging</i> , <b>2016</b> , 8, 2264-2289	5.6	44
310	Dissociation between iron accumulation and ferritin upregulation in the aged substantia nigra: attenuation by dietary restriction. <i>Aging</i> , <b>2016</b> , 8, 2488-2508	5.6	21

309	Empirical verification of evolutionary theories of aging. <i>Aging</i> , <b>2016</b> , 8, 2568-2589	5.6	7
308	Implementation of environmental enrichment after middle age promotes healthy aging. <i>Aging</i> , <b>2018</b> , 10, 1698-1721	5.6	25
307	Calorie restriction protects neural stem cells from age-related deficits in the subventricular zone. <i>Aging</i> , <b>2019</b> , 11, 115-126	5.6	24
306	Construction of a comprehensive observer-based scale assessing aging-related health and functioning in captive rhesus macaques. <i>Aging</i> , <b>2019</b> , 11, 6892-6903	5.6	1
305	Methionine increases yolk production to offset the negative effect of caloric restriction on reproduction without affecting longevity in. <i>Aging</i> , <b>2020</b> , 12, 2680-2697	5.6	2
304	Caloric restriction: implications for sarcopenia and potential mechanisms. <i>Aging</i> , <b>2020</b> , 12, 24441-24452	5.6	7
303	The effects of graded levels of calorie restriction: VIII. Impact of short term calorie and protein restriction on basal metabolic rate in the C57BL/6 mouse. <b>2017</b> , 8, 17453-17474		20
302	Caloric restriction delays early phases of carcinogenesis via effects on the tissue microenvironment. <b>2017</b> , 8, 36020-36032		14
301	Caloric restriction extends yeast chronological lifespan via a mechanism linking cellular aging to cell cycle regulation, maintenance of a quiescent state, entry into a non-quiescent state and survival in the non-quiescent state. <b>2017</b> , 8, 69328-69350		31
300	Mechanisms through which lithocholic acid delays yeast chronological aging under caloric restriction conditions. <b>2018</b> , 9, 34945-34971		7
299	Discovery of fifteen new geroprotective plant extracts and identification of cellular processes they affect to prolong the chronological lifespan of budding yeast. <b>2020</b> , 11, 2182-2203		3
298	Lithocholic bile acid selectively kills neuroblastoma cells, while sparing normal neuronal cells. <b>2011</b> , 2, 761-82		64
297	The effects of graded levels of calorie restriction: III. Impact of short term calorie and protein restriction on mean daily body temperature and torpor use in the C57BL/6 mouse. <b>2015</b> , 6, 18314-37		38
296	Safety of two-year caloric restriction in non-obese healthy individuals. <b>2016</b> , 7, 19124-33		38
295	Effects of Aging and Diet on Cardioprotection and Cardiometabolic Risk Markers. <b>2019</b> , 25, 3704-3714		6
294	Histone deacetylase 2 in the mouse hippocampus: attenuation of age-related increase by caloric restriction. <b>2013</b> , 10, 868-76		37
293	Experimental Models for Aging and their Potential for Novel Drug Discovery. <b>2018</b> , 16, 1466-1483		19
292	Epigenetics, Maternal Diet and Metabolic Programming. <b>2019</b> , 7, 45-51		2

291	Impact of Moderate Calorie Restriction on the Reproductive Neuroendocrine Axis of Male Rhesus Macaques. <b>2010</b> , 3, 38-47	11
290	Molecular aging of the brain, neuroplasticity, and vulnerability to depression and other brain-related disorders. <b>2013</b> , 15, 53-65	80
289	Successful brain aging: plasticity, environmental enrichment, and lifestyle. <b>2013</b> , 15, 45-52	89
288	Cellular Senescence in Kidney Fibrosis: Pathologic Significance and Therapeutic Strategies. <b>2020</b> , 11, 601325	10
287	Treating aging: progress toward dietary restriction mimetics. <b>2010</b> , 2, 76	3
286	Epigenetics: Linking Nutrition to Molecular Mechanisms in Aging. <b>2017</b> , 22, 81-89	19
285	Differential effects of energy balance on experimentally-induced colitis. <b>2012</b> , 18, 627-36	9
284	Reactive oxygen species, health and longevity. <b>2016</b> , 3, 479-504	2
283	A more consistent intraluminal rhesus monkey model of ischemic stroke. <b>2014</b> , 9, 2087-94	21
282	Dietary habits, lifestyle factors and neurodegenerative diseases. <b>2020</b> , 15, 394-400	49
281	Newer antidiabetic drugs and calorie restriction mimicry. <b>2016</b> , 20, 142-6	11
280	Sodium-glucose cotransporter 2 inhibition and health benefits: The Robin Hood effect. <b>2016</b> , 20, 725-729	21
279	Ramadan Fasting and Risk of Covid-19. <b>2020</b> , 11, 60	6
278	Protein Restriction, Epigenetic Diet, Intermittent Fasting as New Approaches for Preventing Age-associated Diseases. <b>2018</b> , 9, 58	15
277	Effects of Japanese Food Typical of That Consumed during Different Periods in the Past on Breast Milk-mediated Lipid Metabolism in Offspring. <b>2014</b> , 67, 255-270	3
276	Invertebrate and vertebrate models in aging research. <b>2019</b> , 163, 114-121	8
275	Food Reduction in Avicenna's View and Related Principles in Classical Medicine. <b>2016</b> , 18, e25760	9
274	Could a hormone point the way to life extension?. <i>ELife</i> , <b>2012</b> , 1, e00286	8.9 6

- 273 Reduced expression of C/EBP $\beta$ LIP extends health and lifespan in mice. *ELife*, **2018**, 7, 8.9 11
- 272 The effects of age and systemic metabolism on anti-tumor T cell responses. *ELife*, **2020**, 9, 8.9 11
- 271 Fasting and Caloric Restriction for Healthy Aging and Longevity. **2021**, 507-523
- 270 Rodent diet aids and the fallacy of caloric restriction. *Mechanisms of Ageing and Development*, **2021**, 200, 111584 5.6 0
- 269 Fasting drives the metabolic, molecular and geroprotective effects of a calorie-restricted diet in mice. **2021**, 3, 1327-1341 18
- 268 Epidemiological and genetic overlap among biological aging clocks: New challenges in biogerontology. **2021**, 72, 101502 2
- 267 Exploring Mechanisms of Aging Retardation by Caloric Restriction: Studies in Model Organisms and Mammals. **2010**, 69-96
- 266 Effects of Nutraceutical Antioxidants on Age-Related Hearing Loss. **2010**, 113-124
- 265 Calorie Restriction, Exercise, and Colon Cancer Prevention: A Mechanistic Perspective. **2011**, 69-97
- 264 Recent Developments in Budding Yeast Aging Research and Future Directions. **2011**, 106, 794-800
- 263 Introduction. **2012**, 57, 1-12
- 262 Biology of Aging. **2011**, 197-206
- 261 Anti-aging Medicine in the eyes of Basic Medicine. **2011**, 38, 223-231
- 260 Anti-aging Medicine: The past, present and future. **2011**, 38, 212-222
- 259 References. **2011**, 283-360
- 258 Animal Models for Human Behavior. **2011**,
- 257 References. **2011**, 377-392
- 256 Aging and Cancer: The IGF-I Connection. **2012**, 25-36

255 [Genetic mechanisms of longevity responses to dietary restriction]. **2011**, 33, 1153-8

254 Calorie Restriction the Fountain of Youth. **2012**, 03, 1522-1526

253 Mechanismen der Hautalterung. **2012**, 41-48

252 Integration of Metabolism. **2012**, 504-534

251 Diet, Physical Activity, and Cancer Prevention. **2012**, 271-291

250 Aging and Kidney Disease. **2012**, 809-841

2

249 [Management of the older person with diabetes mellitus]. **2012**, 49, 561-8

248 [Diet, nutrition and longevity]. **2012**, 49, 175-8

1

247 Régulation de l'IGF-I par la nutrition : mécanismes et implications. **2012**, 45-53

246 The Baboon as a Primate Model To Study the Physiology and Metabolic Effects of Exercise. **2012**, 147-161

245 Muscle Biopsy To Investigate Mitochondrial Turnover. **2012**, 67-84

244 [Longevity society and bio-gerontology]. **2012**, 49, 36-9

243 Proteostasis and the aging pathways. **2013**, 37-52

242 Energiehaushalt von Tieren. **2013**, 49-86

241 Obesity and Immunosenescence: Psychological, Behavioral and Biochemical Pathways. **2013**, 179-199

240 Mechanisms of lifespan extension and preventive effects of calorie restriction on tumor development: Possible link between central neuroendocrine system and peripheral metabolic adaptation. **2013**, 2, 259-266

239 CHAPTER 2:Mild Cognitive Impairment. **2013**, 31-57

238 ANTI-AGING MEDICINE : PERSPECTIVE FROM INTERNAL MEDICINE. **2013**, 59, 307-312

- 237 Therapeutic Strategies for Metabolic Syndrome and Lifestyle-Related Disease. **2013**, 325-364
- 236 Molecular Mechanisms of Cardiovascular Aging. **2013**, 5, 139
- 235 Theories and Mechanisms of Aging. **2014**, 21-97
- 234 Nonhuman Primate Welfare in the Research Environment. **2014**, 197-212 4
- 233 Nutrition in Oncology: From Treating Cachexia to Targeting the Tumor. **2014**, 295-304
- 232 Summary, Perspective and Direction for Future Studies. **2014**, 329-349
- 231 Zellen. **2014**, 131-199
- 230 The Biology of Aging: Role in Cancer, Metabolic Dysfunction, and Health Disparities. **2014**, 91-118
- 229 Monkeys that cut calories live longer. *Nature*, 504
- 228 Jeûne et cancer, quelle relation?. **2014**, 10, 22-25
- 227 Environmental Manipulation and Neuropeptide Effects on Energy Balance and Cancer. **2015**, 21-45
- 226 ART for Antiaging. **2015**, 79-108
- 225 Calorie Restriction Mimetics: Progress and Potential. **2015**, 211-243 1
- 224 The Role of Nutrition in Healthy Hearing: Human Evidence. **2015**, 111-126 1
- 223 History of the Study of Calorie Restriction in Nonhuman Primates Conducted by the National Institute on Aging: The First Decade. **2015**, 245-275
- 222 Appearance and Internal Aging. **2015**, 1-10
- 221 Restriction of caloric intake is a key to prevention of vascular ageing. **2015**, 12, 89-95
- 220 The Implications of Calorie Restriction on Longevity and Health Span. **2015**, 2,

219 Theorien und Mechanismen des Alterns. **2016**, 23-108

218 The Impact of Cancer Treatments on Aging. **2016**, 85-119

217 Growth Hormones and Aging. **2016**, 1-12

216 Serotonin-dependent kinetics of bursts of feeding underlie a graded response to food availability.

215 The Relationship between Food and Health. **2017**, 24, 115-120

214 Biologische Grundlagen des Alterns und dessen Relevanz für die Lebensqualität. **2017**, 3-13

213 20. Resveratrol and metabolic syndrome in obese men – a review. **2017**, 415-441

212 Chronic Mechanistic Target of Rapamycin Inhibition: Preventing Cancer to Delay Aging or Vice Versa?. **2018**, 1-18

211 Mitochondria, Oxidative Stress, Cancer, and Aging. **2018**, 1-22

210 Glutathione levels influence chronological life span of *Saccharomyces cerevisiae* in a glucose-dependent manner. O

209 Roles of Registered Dietitians in the Fields of General and Anti-Aging Health Check-ups, and Future Perspectives. **2018**, 45, 499-506 1

208 Growth Hormones and Aging. **2018**, 691-702

207 Reduced expression of C/EBP $\beta$ LIP extends health- and lifespan in mice.

206 ALOXE3 is a hepatic fasting-responsive lipoxigenase that enhances insulin sensitivity via hepatic PPAR $\alpha$

205 Pleiotropic effects drive correlation between body mass index and cortical myelination.

204 Genome-wide Methylation Patterns Under Caloric Restriction in *Daphnia magna*.

203 Frontier of Aging Regulation Research: Search for Aging Index. **2018**, 56, 324-330

202 Aging, geroprotectors, gene therapy. **2019**, 56, 109

- 201 CHAPTER 14:Eating Habits and Their Impact on Aging and Cancer. **2019**, 230-260
- 200 Infantile Radiation and Aging Stresses: Effects of Calorie and Dietary Restrictions. **2019**, 355-369
- 199 Intermittent Fasting and Caloric Restriction: Neuroplasticity and Neurodegeneration. **2019**, 1279-1296
- 198 Nonhuman Primate Models of Immunosenescence. **2019**, 125-152
- 197 The hidden costs of dietary restriction: implications for its evolutionary and mechanistic origins. 0
- 196 Diet and Exercise Will Help You Live Longer—The Meme that Turns on Housekeeping Genes.
- 195 Intragenic repeat expansions control yeast chronological aging. 2
- 194 Dietary restriction improves fitness of ageing parents but reduces fitness of their offspring.
- 193 Use of short-term high energy dietary for estimating transcriptional profiling of liver tissues in sheep.
- 192 Effect of dietary fat and sucrose consumption on cardiac fibrosis in mice and rhesus monkeys. **2019**, 4, 1
- 191 Pharmacological and fasting-induced activation of SIRT1/LXR $\beta$  signaling alleviates diabetes-induced retinopathy.
- 190 Human ageing, longevity and evolution: can ageing be programmed?. **2019**, 82, 417-433 3
- 189 Chronic Mechanistic Target of Rapamycin Inhibition: Preventing Cancer to Delay Aging or Vice Versa?. **2020**, 111-128
- 188 Ageing, and Epigenetics. **2020**, 27, 7-19 2
- 187 Supervised beego, a traditional Chinese water-only fasting, ends up with reduced thrombosis risk without compromising hemostasis capacity.
- 186 Amino acids whose intracellular levels change most during aging alter chronological lifespan of fission yeast.
- 185 Taurine Improves Lipid Metabolism and Increases Resistance to Oxidative Stress. **2020**, 66, 347-356 2
- 184 Effects of aging on protein expression in mice brain microvessels: ROS scavengers, mRNA/protein stability, glycolytic enzymes, mitochondrial complexes, and basement membrane components. **2021**, 1 2



183	Overview of age-related changes in psychomotor and cognitive functions in a prosimian primate, the gray mouse lemur ( <i>Microcebus murinus</i> ): Recent advances in risk factors and antiaging interventions. <b>2021</b> , 83, e23337		1
182	The many roles mitochondria play in mammalian aging. <b>2021</b> ,		2
181	Attaining Epigenetic Rejuvenation: Challenges Ahead. <b>2020</b> , 159-179		
180	Dihydromyricetin promotes longevity and activates the transcription factors FOXO and AOP in. <i>Aging</i> , <b>2020</b> , 13, 460-476	5.6	6
179	The Discovery of Druggable Anti-aging Agents. <b>2020</b> , 24, 232-242		0
178	Chapter 6:Nutritional Regulation of Mitochondrial Health and Its Implication in Treating Obesity and Diabetes: Lessons Learned From the ResveratrolSirt1 Axis. <b>2020</b> , 164-190		
177	Lifespan Versus Healthspan. <b>2020</b> , 439-452		
176	Genetic and dietary influences on life span. <b>2020</b> , 671-685		
175	Can Autophagy Stop the Clock: Unravelling the Mystery in <i>Dictyostelium discoideum</i> . <b>2020</b> , 235-258		
174	Evaluating the beneficial effects of dietary restrictions: A framework for precision nutrigenoscience. <b>2021</b> , 33, 2142-2173		8
173	Human iPSC-Derived Neurons as A Platform for Deciphering the Mechanisms behind Brain Aging. <b>2021</b> , 9,		0
172	Long-term intake of total energy and fat in relation to subjective cognitive decline. <b>2021</b> , 1		2
171	Aging and Cancer Prognosis. <b>2021</b> , 433-448		
170	Age-dependent changes of neural functions under glucose metabolism disorders. <b>2020</b> , 3-14		
169	Lamin regulates the dietary restriction response via the mTOR pathway in <i>Caenorhabditis elegans</i> .		
168	S-adenosyl methionine synthetase SAMS-5 mediates dietary restriction-induced longevity in <i>Caenorhabditis elegans</i> . <b>2020</b> , 15, e0241455		4
167	The role of oxidative stress in the pathogenesis of type 2 diabetes: from molecular mechanism to clinical implication. <b>2010</b> , 2, 316-31		82
166	Survey of prevalence of overweight body condition in laboratory-housed cynomolgus macaques ( <i>Macaca fascicularis</i> ). <b>2010</b> , 49, 407-14		9

165	Intracellular amino acid sensing and mTORC1-regulated growth: new ways to block an old target?. <b>2010</b> , 11, 1360-7	32
164	The molecular genetics of sirtuins: association with human longevity and age-related diseases. <b>2010</b> , 1, 214-25	21
163	Glucoregulatory function in adult rhesus macaques ( <i>Macaca mulatta</i> ) undergoing treatment with medroxyprogesterone acetate for endometriosis. <b>2011</b> , 50, 921-5	13
162	Obesity in rhesus and cynomolgus macaques: a comparative review of the condition and its implications for research. <b>2011</b> , 61, 514-26	45
161	Validated Liquid Culture Monitoring System for Lifespan Extension of <i>Caenorhabditis elegans</i> through Genetic and Dietary Manipulations. <b>2013</b> , 4, 178-85	9
160	Aging, neurogenesis, and caloric restriction in different model organisms. <b>2013</b> , 4, 221-32	12
159	Clinicopathologic characteristics, prevalence, and risk factors of spontaneous diabetes in sooty mangabeys ( <i>Cercocebus atys</i> ). <b>2014</b> , 64, 200-10	5
158	Statins and Finasteride Use Differentially Modify the Impact of Metformin on Prostate Cancer Incidence in Men with Type 2 Diabetes. <b>2014</b> , 1,	5
157	Short-term starvation attenuates liver ischemia-reperfusion injury (IRI) by Sirt1-autophagy signaling in mice. <b>2016</b> , 8, 3364-75	17
156	Aging and the Krüppel-like factors. <b>2017</b> , 12, 1-15	7
155	Role of cereal bioactive compounds in the prevention of age-related diseases. <b>2022</b> , 247-286	
154	Long-term effects of wildfire smoke exposure during early life on the nasal epigenome in rhesus macaques.. <b>2022</b> , 158, 106993	0
153	Astragalus membranaceus treatment combined with caloric restriction may enhance genesis factors and decrease apoptosis in the hippocampus of rats. <b>2021</b> , 99, 104584	0
152	Nutrition for a 100 Year Life. <b>2022</b> , 117-128	
151	The ups and downs of caloric restriction and fasting: from molecular effects to clinical application. <b>2021</b> , e14418	9
150	Antiaging diets: Separating fact from fiction. <i>Science</i> , <b>2021</b> , 374, eabe7365	33.3 14
149	Circ-SIRT1 inhibits cardiac hypertrophy via activating SIRT1 to promote autophagy. <b>2021</b> , 12, 1069	4
148	Nutritional reprogramming of mouse liver proteome is dampened by metformin, resveratrol, and rapamycin. <b>2021</b> , 33, 2367-2379.e4	6

147	Current Evidence and Directions for Intermittent Fasting During Cancer Chemotherapy. <b>2021</b> ,	2
146	Evaluation of a blood-based geroscience biomarker index in a randomized trial of caloric restriction and exercise in older adults with heart failure with preserved ejection fraction.. <b>2022</b> , 1	0
145	Phosphoglycolate phosphatase homologs act as glycerol-3-phosphate phosphatase to control stress and healthspan in <i>C. elegans</i> .. <b>2022</b> , 13, 177	4
144	Alpha-Ketoglutarate dietary supplementation to improve health in humans.. <b>2021</b> ,	2
143	Chapter 11. Producing Health: Canguilhem and the Contemporary Clinical Discourse about Ageing. <b>2020</b> , 441-468	
142	Circadian control of mitochondria in ROS homeostasis.. <b>2022</b> ,	1
141	Interconnections between Inflammageing and Immunosenescence during Ageing.. <b>2022</b> , 11,	6
140	Ghrelin mediated hippocampal neurogenesis.. <b>2022</b> , 118, 337-367	0
139	Fasting Intervention for Children With Unilateral Renal Tumors to Reduce Toxicity.. <b>2022</b> , 10, 828615	
138	Methionine Restriction Prevents Lipopolysaccharide-Induced Acute Lung Injury via Modulating CSE/HS Pathway.. <i>Nutrients</i> , <b>2022</b> , 14,	6.7 0
137	Fasting before living-kidney donation: effect on donor well-being and postoperative recovery: study protocol of a multicenter randomized controlled trial.. <b>2022</b> , 23, 18	
136	Effects of Prolonged Intermittent Fasting Model on Energy Metabolism and Mitochondrial Functions in Neurons. 097275312110723	0
135	Can dietary patterns prevent cognitive impairment and reduce Alzheimer's disease risk: exploring the underlying mechanisms of effects.. <b>2022</b> , 104556	2
134	Nutrition in Brain Aging: Its Relevance to Age-Associated Neurodegeneration. <b>2022</b> , 1-29	
133	Could "cellular exercise" be the missing ingredient in a healthy life? Diets, caloric restriction, and exercise-induced hormesis.. <b>2022</b> , 99-100, 111629	0
132	Développement de traitements anticancéreux associant chimio-immunothérapie et composés mimétiques de la restriction calorique. <b>2019</b> , N° 1, 4-5	
131	Longevity Factor FOXO3: A Key Regulator in Aging-Related Vascular Diseases.. <b>2021</b> , 8, 778674	3
130	KETOgenic diet therapy in patients with HEPatocellular adenoma: study protocol of a matched interventional cohort study.. <b>2022</b> , 12, e053559	0

129	Intelligent high-throughput intervention testing platform in Daphnia.. <b>2022</b> , e13571	1
128	Healthy Aging and Dietary Patterns.. <i>Nutrients</i> , <b>2022</b> , 14,	6.7 4
127	The neuroprotective effects of intermittent fasting on brain aging and neurodegenerative diseases via regulating mitochondrial function.. <b>2022</b> ,	3
126	Oxidative Stress in the Protection and Injury of the Lacrimal Gland and the Ocular Surface: are There Perspectives for Therapeutics?. <b>2022</b> , 10, 824726	0
125	Skeletal Muscle Proteostasis Promotes Central Nervous System Rejuvenation and Reduces Neuroinflammation during Aging and Neurodegenerative Disease.	
124	Dietary restriction may attenuate the expression of cell death-related proteins in rats with acute spinal cord injury.. <b>2022</b> ,	0
123	Increased O-GlcNAcylation promotes IGF-1 receptor/Phosphatidylinositol-3 kinase/Akt pathway in cervical cancer cells.. <b>2022</b> , 12, 4464	0
122	Probiotics: The Next Dietary Strategy against Brain Aging.. <b>2022</b> , 27, 1-13	1
121	Evolutionarily conserved transcription factors as regulators of longevity and targets for geroprotection.. <b>2022</b> ,	1
120	Anti-aging mechanism of calorie restriction in humans.. <b>2022</b> ,	
119	The physiological and pathophysiological roles of the autophagy lysosomal system in the conventional aqueous humor outflow pathway: More than cellular clean up.. <b>2022</b> , 101064	0
118	Fasten und Langlebigkeit. <b>2022</b> , 27, 32-35	
117	Fasten und Langlebigkeit. <b>2021</b> , 36, 164-168	
116	The mTOR-lysosome axis at the centre of ageing. <b>2021</b> ,	3
115	Oxidative Stress and X-ray Exposure Levels-Dependent Survival and Metabolic Changes in Murine HSPCs.. <b>2021</b> , 11,	2
114	Immune Memory in Aging: a Wide Perspective Covering Microbiota, Brain, Metabolism, and Epigenetics.. <b>2021</b> , 1	3
113	Dietary restriction in multiple sclerosis: evidence from preclinical and clinical studies.	
112	Food deprivation exposes sex-specific trade-offs between stress tolerance and life span in the copepod .. <b>2022</b> , 12, e8822	1

111	Deep learning for robust and flexible tracking in behavioral studies for C. elegans.. <b>2022</b> , 18, e1009942	1
110	Gut microbiota-bile acid crosstalk contributes to the rebound weight gain after calorie restriction in mice.. <b>2022</b> , 13, 2060	2
109	Data_Sheet_1.XLSX. <b>2020</b> ,	
108	Data_Sheet_2.XLSX. <b>2020</b> ,	
107	Table_1.XLSX. <b>2020</b> ,	
106	Table_2.XLSX. <b>2020</b> ,	
105	Table_3.XLSX. <b>2020</b> ,	
104	Table_4.XLSX. <b>2020</b> ,	
103	Table_5.XLSX. <b>2020</b> ,	
102	Table_6.XLSX. <b>2020</b> ,	
101	Therapeutic Fasting: Are Patients Aged 65 and Over Ready?. <i>Nutrients</i> , <b>2022</b> , 14, 2001	6.7
100	FOXN1 delays senescence and extends lifespan. <b>2022</b> , 2, 373-374	
99	Physiological Systems in Promoting Frailty.. <b>2022</b> , 12, 1-46	2
98	Antiaging agents: safe interventions to slow aging and healthy life span extension.. <b>2022</b> , 12, 18	3
97	Nutrition, longevity and disease: From molecular mechanisms to interventions.. <i>Cell</i> , <b>2022</b> , 185, 1455-1470	12
96	[Review] Hexoses with Anti-aging Effect and Strategies for Achieving Healthy Longevity. <i>Bulletin of Applied Glycoscience</i> , <b>2019</b> , 9, 98-102	0.1
95	Unraveling Pathways of Health and Lifespan with Integrated Multiomics Approaches. <i>Methods in Molecular Biology</i> , <b>2022</b> , 193-218	1.4
94	The overlooked variable in animal studies: why diet makes a difference. <i>Nature</i> , <b>2022</b> , 605, 778-779	50.4

93	Long-term treatment with chloroquine increases lifespan in middle-aged male mice possibly via autophagy modulation, proteasome inhibition and glycogen metabolism. <i>Aging</i> ,	5.6	1
92	Metabolic reprogramming: a bridge between aging and tumorigenesis. <i>Molecular Oncology</i> ,	7.9	1
91	The Less We Eat, the Longer We Live: Can Caloric Restriction Help Us Become Centenarians?. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 6546	6.3	0
90	Does diet influence aging? Evidence from animal studies. <i>Journal of Internal Medicine</i> ,	10.8	0
89	Dietary strategies with anti-aging potential: dietary patterns and supplements. <i>Food Research International</i> , <b>2022</b> , 111501	7	0
88	Convergent and Divergent Age Patterning of Gut Microbiota Diversity in Humans and Nonhuman Primates. <i>MSystems</i> ,	7.6	0
87	Dietary Protein Restriction Improves Metabolic Dysfunction in Patients with Metabolic Syndrome in a Randomized, Controlled Trial. <i>Nutrients</i> , <b>2022</b> , 14, 2670	6.7	1
86	Inflammaging is driven by upregulation of innate immune receptors and systemic interferon signaling and is ameliorated by dietary restriction. <i>Cell Reports</i> , <b>2022</b> , 39, 111017	10.6	1
85	Adult neural stem cells and neurogenesis are resilient to intermittent fasting.		0
84	Risk of Type 2 Diabetes Among Individuals with Excess Weight: Weight Trajectory Effects. <i>Current Diabetes Reports</i> ,	5.6	
83	The natural history of model organisms: the rhesus macaque as a success story of the Anthropocene. <i>ELife</i> , 11,	8.9	0
82	Biology of Aging. <b>2022</b> , 12-20		
81	Oligosaccharides from agar extends lifespan through activation of unfolded protein response via SIR-2.1 in <i>Caenorhabditis elegans</i> . <i>European Journal of Nutrition</i> ,	5.2	
80	Keeping the beat against time: Mitochondrial fitness in the aging heart. <i>Frontiers in Aging</i> , 3,	2.5	1
79	Effect of Fasting on Cancer: A narrative review of scientific evidence. <i>Cancer Science</i> ,	6.9	0
78	Long-term caloric restriction ameliorates T cell immunosenescence in mice. <i>Mechanisms of Ageing and Development</i> , <b>2022</b> , 206, 111710	5.6	1
77	Diverse geroprotectors differently affect a mechanism linking cellular aging to cellular quiescence in budding yeast. <b>2022</b> , 13, 918-943		
76	The road ahead of dietary restriction on anti-aging: focusing on personalized nutrition. 1-18		1

75	The role of the glycerol transporter channel Fps1p in cellular proteostasis during enhanced proteotoxic stress.	0
74	Food Antioxidants and Aging: Theory, Current Evidence and Perspectives. <b>2022</b> , 2, 181-204	2
73	Western-style diet does not negatively affect the healthy aging benefits of lifelong restrictive feeding. <b>2022</b> , 1-13	
72	Science-Driven Nutritional Interventions for the Prevention and Treatment of Cancer. OF1-OF22	5
71	Effect of Tau Protein on Mitochondrial Functions. <b>2022</b> , 87, 689-701	0
70	Initial niche condition determines the aging speed and regenerative activity of quiescent cells.	0
69	Effects of different feeding levels during a 14-week preweaning phase in dairy heifer calves on telomere length and mitochondrial DNA copy number in blood. <b>2022</b> , 105, 8509-8522	0
68	A metabolic and mitochondrial angle on aging. <b>2023</b> , 175-256	0
67	Interventions that target fundamental aging mechanisms: myths and realities. <b>2023</b> , 701-724	0
66	Genetic Engineering of Nonhuman Primate Models for Studying Neurodevelopmental Disorders. <b>2022</b> , 235-262	0
65	Autophagy-inducing nutritional interventions in experimental and clinical oncology. <b>2022</b> ,	0
64	Obesity and Mortality. <b>2022</b> , 107-119	0
63	Fasting and cancer responses to therapy. <b>2022</b> ,	0
62	Unraveling the Significance of Circadian Rhythms for Health. <b>2022</b> , 4, 93-94	0
61	Preoperative Short-Term Restriction of Sulfur-Containing Amino Acid Intake for Prevention of Acute Kidney Injury After Cardiac Surgery: A Randomized, Controlled, Double-Blind, Translational Trial. <b>2022</b> , 11,	0
60	Neuroendocrine Tumors: A Comprehensive Review on Nutritional Approaches. <b>2022</b> , 14, 4402	0
59	Psychological factors substantially contribute to biological aging: evidence from the aging rate in Chinese older adults. <b>2022</b> , 14, 7206-7222	0
58	Gut microbiota mediates the inhibition of lymphopoiesis in dietary-restricted mice by suppressing glycolysis. <b>2022</b> , 14,	0

- 57    Obesidade, síndrome metabólica e saúde humana. **2021**, 257-276    0
- 56    Anti-Oxidant and Anti-Aging Effects of Phlorizin Are Mediated by DAF-16-Induced Stress Response and Autophagy in *Caenorhabditis elegans*. **2022**, 11, 1996    0
- 55    Dietary Interventions in Cancer Treatment and Response: A Comprehensive Review. **2022**, 14, 5149    0
- 54    Combination of exercise and calorie restriction improves the development of obesity-related type 2 diabetes mellitus in KKAY mice.    0
- 53    Prey life stages modulate effects of predation stress on prey lifespan, development, and reproduction in mites.    0
- 52    Calorie restriction ameliorates hyperglycemia, modulates the disordered gut microbiota, and mitigates metabolic endotoxemia and inflammation in type 2 diabetic rats.    1
- 51    Unraveling Parkinson's Disease Neurodegeneration: Does Aging Hold the Clues?. **2022**, 1-18    0
- 50    Rejuvenation of mitochondrial function by time-controlled fasting. **2023**, 633-650    0
- 49    Nutrient sensing and aging. **2023**, 41-53    0
- 48    Nutrition in Brain Aging: Its Relevance to Age-Associated Neurodegeneration. **2022**, 869-897    0
- 47    Precise Nutrition and Functional Foods. **2022**, 231-267    0
- 46    Paneth cells drive intestinal stem cell competition and clonality in aging and calorie restriction. **2022**, 101, 151282    0
- 45    Therapeutic approaches to treat and prevent age-related diseases through understanding the underlying biological drivers of ageing. **2022**, 23, 100423    0
- 44    Epigenetic regulation of aging: implications for interventions of aging and diseases. **2022**, 7,    8
- 43    An automated feeding system for the African killifish reveals effects of dietary restriction on lifespan and allows scalable assessment of associative learning. 11,    1
- 42    Dietary Factors, Dietary Patterns, and Cardiovascular Disease Risk in Representative Japanese Cohorts: NIPPON DATA80/90. **2022**,    0
- 41    The roles of NADPH and isocitrate dehydrogenase in cochlear mitochondrial antioxidant defense and aging. **2023**, 427, 108659    1
- 40    Therapeutic Potential of Extracellular Vesicles in Aging and Age-Related Diseases. **2022**, 23, 14632    1



39	The Effects of Dietary Interventions on Brain Aging and Neurological Diseases. <b>2022</b> , 14, 5086	0
38	Fasting during cancer treatment: a systematic review.	0
37	Refeeding-associated AMPK $\alpha$ complex activity is a hallmark of health and longevity.	0
36	Antifragility and Antiinflammaging: can they play a role for a healthy longevity?. <b>2022</b> , 101836	1
35	Dietary restriction in senolysis and prevention and treatment of disease. 1-27	0
34	Interventions on Gut Microbiota for Healthy Aging. <b>2023</b> , 12, 34	2
33	Sporadic fasting reduces attentional control without altering overall executive function in a binary classification task. <b>2022</b> , 114065	0
32	Insulin resistance in Alzheimer's Disease: the genetics and metabolomics links. <b>2022</b> ,	1
31	Mitochondrial Aging and Senolytic Natural Products with Protective Potential. <b>2022</b> , 23, 16219	1
30	Role of autophagy in aging: The good, the bad, and the ugly.	0
29	Improving the effectiveness of anti-aging modalities by using the constrained disorder principle-based management algorithms. 3,	0
28	Alternate-Day High Fat-Normal Chow Diet Ameliorates HFD-Induced Obesity and Restores Intestinal Immunity. Volume 15, 3843-3853	0
27	Caloric restriction induced epigenetic effects on aging. 10,	0
26	Caloric restriction delays age-related muscle atrophy by inhibiting 11 $\beta$ SD1 to promote the differentiation of muscle stem cells. 9,	0
25	Age-Related Dysfunction in Proteostasis and Cellular Quality Control in the Development of Sarcopenia. <b>2023</b> , 12, 249	1
24	Calorie restriction brings no benefits to lifespan under stochastic environments.	0
23	Blood-to-brain communication in aging and rejuvenation.	3
22	A new AMPK isoform mediates glucose-restriction induced longevity non-cell autonomously by promoting membrane fluidity. <b>2023</b> , 14,	1

21	The antitumour effects of caloric restriction are mediated by the gut microbiome.	1
20	Considerations of Medical Preparedness to Assess and Treat Various Populations During a Radiation Public Health Emergency. <b>2023</b> ,	1
19	Recurrent phases of strict protein limitation inhibit tumor growth and restore lifespan in a <i>Drosophila</i> intestinal cancer model.	0
18	Mitochondrial modulators. <b>2023</b> , 193-226	0
17	Autophagy of Naïve CD4+ T cells - Role of aging, body adiposity, and physical fitness. 1-34	0
16	The pathological characters of islets aging in old rhesus monkeys. <b>2023</b> , 861, 147251	0
15	Mitochondria as biological targets for stem cell and organismal senescence. <b>2023</b> , 102, 151289	0
14	Epigenetics and the role of nutraceuticals in health and disease. <b>2023</b> , 30, 28480-28505	0
13	Ketogenic Diet and Ketone Bodies against Ischemic Injury: Targets, Mechanisms, and Therapeutic Potential. <b>2023</b> , 24, 2576	1
12	Molecular mechanisms underlying the beneficial effects of exercise and dietary interventions in the prevention of cardiometabolic diseases. <b>2023</b> , 24, e3-e14	0
11	Adipose tissue aging is regulated by an altered immune system. 14,	0
10	Mechanisms of ageing: growth hormone, dietary restriction, and metformin. <b>2023</b> , 11, 261-281	0
9	Influence of the Mediterranean Diet on Healthy Aging. <b>2023</b> , 24, 4491	0
8	Calorie Restriction activates a gastric Notch-FOXO1 pathway to expand Ghrelin cells.	0
7	Optimized nutrition in mitochondrial disease correlates to improved muscle fatigue, strength, and quality of life.	0
6	Extracellular Matrix Dynamics as an Emerging yet Understudied Hallmark of Aging and Longevity. <b>2022</b> , 0	0
5	Do the short die young? Evidence from a large sample of deceased Polish adults. <b>2023</b> , 86, 77-90	0
4	<i>Drosophila melanogaster</i> as a model to study age and sex differences in brain injury and neurodegeneration after mild head trauma. 17,	0

3	A Narrative Review of Lifestyle Risk Factors and the Role of Oxidative Stress in Age-Related Hearing Loss. <b>2023</b> , 12, 878	o
2	Novel Nutritional Therapies for Cancer Treatment and Their Possible Immunological Pathways. <b>2023</b> , 1-27	o
1	Biological resilience and aging: Activation of stress response pathways contributes to lifespan extension. <b>2023</b> , 88, 101941	o