Rozalyn M Anderson

List of Publications by Year
in descending order

53 papers	5,707 citations	218677 26 h-index	175258 52 g-index
57 all docs	57 docs citations	57 times ranked	7604 citing authors

#	Article	IF	Citations
1	Caloric Restriction Delays Disease Onset and Mortality in Rhesus Monkeys. Science, 2009, 325, 201-204.	12.6	2,016
2	Caloric restriction improves health and survival of rhesus monkeys. Nature Communications, 2017, 8, 14063.	12.8	626
3	Caloric restriction reduces age-related and all-cause mortality in rhesus monkeys. Nature Communications, 2014, 5, 3557.	12.8	579
4	Dynamic regulation of PGCâ€1Î± localization and turnover implicates mitochondrial adaptation in calorie restriction and the stress response. Aging Cell, 2008, 7, 101-111.	6.7	250
5	Metabolic reprogramming, caloric restriction and aging. Trends in Endocrinology and Metabolism, 2010, 21, 134-141.	7.1	233
6	Daily Fasting Improves Health and Survival in Male Mice Independent of Diet Composition and Calories. Cell Metabolism, 2019, 29, 221-228.e3.	16.2	210
7	The caloric restriction paradigm: Implications for healthy human aging. American Journal of Human Biology, 2012, 24, 101-106.	1.6	130
8	Nutrition, longevity and disease: From molecular mechanisms to interventions. Cell, 2022, 185, 1455-1470.	28.9	129
9	Aging and Caloric Restriction Research: A Biological Perspective With Translational Potential. EBioMedicine, 2017, 21, 37-44.	6.1	115
10	Aging and caloric restriction impact adipose tissue, adiponectin, and circulating lipids. Aging Cell, 2017, 16, 497-507.	6.7	94
11	Untangling Determinants of Enhanced Health and Lifespan through a Multi-omics Approach in Mice. Cell Metabolism, 2020, 32, 100-116.e4.	16.2	85
12	COVID-19 Through the Lens of Gerontology. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, e119-e120.	3.6	80
13	A shift in energy metabolism anticipates the onset of sarcopenia in rhesus monkeys. Aging Cell, 2013, 12, 672-681.	6.7	66
14	Nonhuman Primate Calorie Restriction. Antioxidants and Redox Signaling, 2011, 14, 229-239.	5.4	62
15	Electrical Properties Assessed by Bioelectrical Impedance Spectroscopy as Biomarkers of Age-related Loss of Skeletal Muscle Quantity and Quality. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, glw225.	3.6	62
16	An expanding GSK3 network: implications for aging research. GeroScience, 2019, 41, 369-382.	4.6	58
17	Caloric Restriction Engages Hepatic RNA Processing Mechanisms in Rhesus Monkeys. Cell Metabolism, 2018, 27, 677-688.e5.	16.2	56
18	Long-term calorie restriction decreases metabolic cost of movement and prevents decrease of physical activity during aging in rhesus monkeys. Experimental Gerontology, 2013, 48, 1226-1235.	2.8	55

#	Article	IF	Citations
19	GSK3Î² Regulates Brain Energy Metabolism. Cell Reports, 2018, 23, 1922-1931.e4.	6.4	55
20	Metabolic Reprogramming in Dietary Restriction. , 2006, 35, 18-38.		54
21	Caloric Restriction and Healthy Life Span: Frail Phenotype of Nonhuman Primates in the Wisconsin National Primate Research Center Caloric Restriction Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 273-278.	3.6	50
22	Mitochondrial regulator PGC-1aâ€"Modulating the modulator. Current Opinion in Endocrine and Metabolic Research, 2019, 5, 37-44.	1.4	50
23	Hepatic oleate regulates adipose tissue lipogenesis and fatty acid oxidation. Journal of Lipid Research, 2015, 56, 304-318.	4.2	49
24	Cellular adaptation contributes to calorie restriction-induced preservation of skeletal muscle in aged rhesus monkeys. Experimental Gerontology, 2012, 47, 229-236.	2.8	48
25	Increased transport of acetylâ€CoA into the endoplasmic reticulum causes a progeriaâ€like phenotype. Aging Cell, 2018, 17, e12820.	6.7	38
26	Molecular and Functional Networks Linked to Sarcopenia Prevention by Caloric Restriction in Rhesus Monkeys. Cell Systems, 2020, 10, 156-168.e5.	6.2	31
27	A Conserved Transcriptional Signature of Delayed Aging and Reduced Disease Vulnerability Is Partially Mediated by SIRT3. PLoS ONE, 2015, 10, e0120738.	2.5	29
28	Acetyl-CoA flux regulates the proteome and acetyl-proteome to maintain intracellular metabolic crosstalk. Nature Communications, 2019, 10, 3929.	12.8	28
29	Regional metabolic heterogeneity of the hippocampus is nonuniformly impacted by age and caloric restriction. Aging Cell, 2016, 15, 100-110.	6.7	27
30	Caloric restriction impacts plasma micro<scp>RNA</scp>s in rhesus monkeys. Aging Cell, 2017, 16, 1200-1203.	6.7	27
31	Top-down Mass Spectrometry of Sarcomeric Protein Post-translational Modifications from Non-human Primate Skeletal Muscle. Journal of the American Society for Mass Spectrometry, 2019, 30, 2460-2469.	2.8	26
32	PGCâ€1a integrates a metabolism and growth network linked to caloric restriction. Aging Cell, 2019, 18, e12999.	6.7	25
33	Caloric Restriction Research: New Perspectives on the Biology of Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 1-3.	3.6	22
34	Calorie restriction attenuates astrogliosis but not amyloid plaque load in aged rhesus macaques: A preliminary quantitative imaging study. Brain Research, 2013, 1508, 1-8.	2.2	20
35	Nutrition, metabolism, and targeting aging in nonhuman primates. Ageing Research Reviews, 2017, 39, 29-35.	10.9	20
36	Plasma diacylglycerol composition is a biomarker of metabolic syndrome onset in rhesus monkeys. Journal of Lipid Research, 2015, 56, 1461-1470.	4.2	19

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37	Adiponectin receptor agonist AdipoRon improves skeletal muscle function in aged mice. ELife, 2022, 11, .	6.0	18
38	Calorie restriction: Progress during mid-2005â€“mid-2006. Experimental Gerontology, 2006, 41, 1247-1249.	2.8	16
39	Cell-to-cell variation in gene expression and the aging process. GeroScience, 2021, 43, 181-196.	4.6	16
40	Antiaging Therapies, Cognitive Impairment, and Dementia. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1643-1652.	3.6	14
41	Alpha-Ketoglutarate, the Metabolite that Regulates Aging in Mice. Cell Metabolism, 2020, 32, 323-325.	16.2	14
42	Stem Cell Transplantation for Frailty. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 1503-1504.	3.6	13
43	Sex and Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 139-140.	3.6	13
44	Prospects and Perspectives in Primate Aging Research. Antioxidants and Redox Signaling, 2011, 14, 203-205.	5.4	10
45	Rhesus monkeys as a translational model for lateâ€onset Alzheimer's disease. Aging Cell, 2021, 20, e13374.	6.7	10
46	Resilience integrates concepts in aging research. IScience, 2022, 25, 104199.	4.1	9
47	A Role for Dicer in Aging and Stress Survival. Cell Metabolism, 2012, 16, 285-286.	16.2	7
48	Can we make drug discovery targeting fundamental mechanisms of aging a reality?. Expert Opinion on Drug Discovery, 2022, 17, 97-100.	5.0	6
49	Caloric restriction has a new player. Science, 2022, 375, 620-621.	12.6	6
50	Taking the long view on metabolism. Science, 2021, 373, 738-739.	12.6	5
51	Journal of Gerontology: Biological Sciences. A Long Tradition in Advancing Aging Biology and Translational Gerontology. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 271-272.	3.6	2
52	Metabolic adventures in aging research. Molecular and Cellular Endocrinology, 2017, 455, 1-3.	3.2	1
53	Metabolic Shifts Induced by Caloric Restriction. FASEB Journal, 2007, 21, A153.	0.5	0