

Michael S Bonkowski

List of Publications by Citations

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

37
papers

2,798
citations

27
h-index

38
g-index

38
ext. papers

3,285
ext. citations

10.4
avg, IF

5.17
L-index

#	Paper	IF	Citations
37	Slowing ageing by design: the rise of NAD and sirtuin-activating compounds. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 679-690	48.7	410
36	Targeted disruption of growth hormone receptor interferes with the beneficial actions of calorie restriction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 7901-5	11.5	261
35	Impairment of an Endothelial NAD-HS Signaling Network Is a Reversible Cause of Vascular Aging. <i>Cell</i> , 2018 , 173, 74-89.e20	56.2	205
34	Long-lived growth hormone receptor knockout mice: interaction of reduced insulin-like growth factor i/insulin signaling and caloric restriction. <i>Endocrinology</i> , 2005 , 146, 851-60	4.8	201
33	SIRT1 suppresses the epithelial-to-mesenchymal transition in cancer metastasis and organ fibrosis. <i>Cell Reports</i> , 2013 , 3, 1175-86	10.6	156
32	Neuronal SIRT1 regulates endocrine and behavioral responses to calorie restriction. <i>Genes and Development</i> , 2009 , 23, 2812-7	12.6	142
31	Reprogramming to recover youthful epigenetic information and restore vision. <i>Nature</i> , 2020 , 588, 124-130.4	39.4	128
30	Disruption of growth hormone receptor prevents calorie restriction from improving insulin action and longevity. <i>PLoS ONE</i> , 2009 , 4, e4567	3.7	107
29	Alterations in oxygen consumption, respiratory quotient, and heat production in long-lived GHRKO and Ames dwarf mice, and short-lived bGH transgenic mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 443-51	6.4	106
28	A conserved NAD binding pocket that regulates protein-protein interactions during aging. <i>Science</i> , 2017 , 355, 1312-1317	33.3	102
27	Insulin sensitivity as a key mediator of growth hormone actions on longevity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 516-21	6.4	74
26	Stress resistance and aging: influence of genes and nutrition. <i>Mechanisms of Ageing and Development</i> , 2006 , 127, 687-94	5.6	66
25	Long-lived growth hormone receptor knockout mice show a delay in age-related changes of body composition and bone characteristics. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006 , 61, 562-7	6.4	60
24	Caloric restriction results in decreased expression of peroxisome proliferator-activated receptor superfamily in muscle of normal and long-lived growth hormone receptor/binding protein knockout mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005 , 60, 1238-45	6.4	58
23	Effects of caloric restriction on insulin pathway gene expression in the skeletal muscle and liver of normal and long-lived GHR-KO mice. <i>Experimental Gerontology</i> , 2005 , 40, 679-84	4.5	58
22	Resveratrol Improves Vascular Function and Mitochondrial Number but Not Glucose Metabolism in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 1703-1709	6.4	52
21	Deviation of innate circadian period from 24 h reduces longevity in mice. <i>Aging Cell</i> , 2012 , 11, 794-800	9.9	52

20	Restoration of normal embryogenesis by mitochondrial supplementation in pig oocytes exhibiting mitochondrial DNA deficiency. <i>Scientific Reports</i> , 2016 , 6, 23229	4.9	50
19	The growth hormone receptor gene-disrupted mouse fails to respond to an intermittent fasting diet. <i>Aging Cell</i> , 2009 , 8, 756-60	9.9	50
18	Divergent effects of caloric restriction on gene expression in normal and long-lived mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2004 , 59, 784-8	6.4	50
17	Is altered expression of hepatic insulin-related genes in growth hormone receptor knockout mice due to GH resistance or a difference in biological life spans?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 1126-33	6.4	37
16	Caloric restriction and growth hormone receptor knockout: effects on expression of genes involved in insulin action in the heart. <i>Experimental Gerontology</i> , 2006 , 41, 417-29	4.5	37
15	Effects of caloric restriction and growth hormone resistance on insulin-related intermediates in the skeletal muscle. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2007 , 62, 18-26	6.4	36
14	Effects of dietary restriction on the expression of insulin-signaling-related genes in long-lived mutant mice. <i>Interdisciplinary Topics in Gerontology</i> , 2007 , 35, 69-82		32
13	Effects of long-term caloric restriction on early steps of the insulin-signaling system in mouse skeletal muscle. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005 , 60, 28-34	6.4	32
12	Effects of caloric restriction and growth hormone resistance on the expression level of peroxisome proliferator-activated receptors superfamily in liver of normal and long-lived growth hormone receptor/binding protein knockout mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005 , 60, 1394-8	6.4	30
11	SIRT1 Limits Adipocyte Hyperplasia through c-Myc Inhibition. <i>Journal of Biological Chemistry</i> , 2016 , 291, 2119-35	5.4	27
10	THow diet interacts with longevity genes. <i>Hormones</i> , 2008 , 7, 17-23	3.1	27
9	Insulin signaling cascade in the hearts of long-lived growth hormone receptor knockout mice: effects of calorie restriction. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2008 , 63, 788-97	6.4	24
8	Effects of mild calorie restriction on reproduction, plasma parameters and hepatic gene expression in mice with altered GH/IGF-I axis. <i>Mechanisms of Ageing and Development</i> , 2007 , 128, 317-31	5.6	22
7	Effect of every other day feeding diet on gene expression in normal and in long-lived Ames dwarf mice. <i>Experimental Gerontology</i> , 2005 , 40, 491-7	4.5	22
6	Metabolic alterations due to caloric restriction and every other day feeding in normal and growth hormone receptor knockout mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014 , 69, 25-33	6.4	20
5	Measuring aging rates of mice subjected to caloric restriction and genetic disruption of growth hormone signaling. <i>Aging</i> , 2016 , 8, 539-46	5.6	20
4	Mild calorie restriction does not affect testosterone levels and testicular gene expression in mutant mice. <i>Experimental Biology and Medicine</i> , 2007 , 232, 1050-63	3.7	15
3	DNA Break-Induced Epigenetic Drift as a Cause of Mammalian Aging		6

2	Epidermal SR-A Complexes Are Lipid Raft Based and Promote Nucleic Acid Nanoparticle Uptake. <i>Journal of Investigative Dermatology</i> , 2021 , 141, 1428-1437.e8	4-3	3
1	MACHINE LEARNING ANALYSIS OF MOUSE FRAILITY FOR PREDICTION OF BIOLOGICAL AGE AND LIFE EXPECTANCY. <i>Innovation in Aging</i> , 2019 , 3, S903-S903	0-1	3