Andrzej Bartke

List of Publications by Citations

440 papers	18,497 citations	68 h-index	116 g-index
482 ext. papers	20,225 ext. citations	5.7 avg, IF	7.03 L-index

#	Paper	IF	Citations
440	The endocrine regulation of aging by insulin-like signals. *Science*, **2003**, 299, 1346-51	33.3	1072
439	Dwarf mice and the ageing process. *Nature*, **1996**, 384, 33	50.4	794
438	The critical role of metabolic pathways in aging. *Diabetes*, **2012**, 61, 1315-22	0.9	489
437	Interventions to Slow Aging in Humans: Are We Ready?. *Aging Cell*, **2015**, 14, 497-510	9.9	373
436	Extending the lifespan of long-lived mice. *Nature*, **2001**, 414, 412	50.4	336
435	Targeted disruption of growth hormone receptor interferes with the beneficial actions of calorie restriction. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 7901-5	11.5	261
434	Life extension in the dwarf mouse. *Current Topics in Developmental Biology*, **2004**, 63, 189-225	5.3	258
433	Minireview: role of the growth hormone/insulin-like growth factor system in mammalian aging. *Endocrinology*, **2005**, 146, 3718-23	4.8	254
432	Delayed occurrence of fatal neoplastic diseases in ames dwarf mice: correlation to extended longevity. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2003**, 58, 291-6	6.4	233
431	Somatotropic signaling: trade-offs between growth, reproductive development, and longevity. *Physiological Reviews*, **2013**, 93, 571-98	47.9	213
430	Long-lived growth hormone receptor knockout mice: interaction of reduced insulin-like growth factor i/insulin signaling and caloric restriction. *Endocrinology*, **2005**, 146, 851-60	4.8	201
429	Fibroblast cell lines from young adult mice of long-lived mutant strains are resistant to multiple forms of stress. *American Journal of Physiology - Endocrinology and Metabolism*, **2005**, 289, E23-9	6	200
428	Progressive loss of SIRT1 with cell cycle withdrawal. *Aging Cell*, **2006**, 5, 413-22	9.9	195
427	Reduced incidence and delayed occurrence of fatal neoplastic diseases in growth hormone receptor/binding protein knockout mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2009**, 64, 522-9	6.4	176
426	Diet and aging. *Cell Metabolism*, **2008**, 8, 99-104	24.6	173
425	Can growth hormone (GH) accelerate aging? Evidence from GH-transgenic mice. *Neuroendocrinology*, **2003**, 78, 210-6	5.6	152
424	The Ames dwarf gene is required for Pit-1 gene activation. *Developmental Biology*, **1995**, 172, 495-503	3.1	149

423	Delayed and accelerated aging share common longevity assurance mechanisms. *PLoS Genetics*, **2008**, 4, e1000161	6	148
422	Human placental growth hormone causes severe insulin resistance in transgenic mice. *American Journal of Obstetrics and Gynecology*, **2002**, 186, 512-7	6.4	146
421	Reduced levels of thyroid hormones, insulin, and glucose, and lower body core temperature in the growth hormone receptor/binding protein knockout mouse. *Experimental Biology and Medicine*, **2001**, 226, 552-8	3.7	143
420	HISTOLOGY OF THE ANTERIOR HYPOPHYSIS, THYROID AND GONADS OF TWO TYPES OF DWARF MICE. *The Anatomical Record*, **1964**, 149, 225-35		138
419	Duration of rapamycin treatment has differential effects on metabolism in mice. *Cell Metabolism*, **2013**, 17, 456-62	24.6	134
418	Insulin-like growth factor 1 (IGF-1) and aging: controversies and new insights. *Biogerontology*, **2003**, 4, 1-8	4.5	134
417	Pituitary and testicular function in growth hormone receptor gene knockout mice. *Endocrinology*, **1999**, 140, 1082-8	4.8	131
416	Local expression of GH and IGF-1 in the hippocampus of GH-deficient long-lived mice. *Neurobiology of Aging*, **2005**, 26, 929-37	5.6	130
415	Additive regulation of hepatic gene expression by dwarfism and caloric restriction. *Physiological Genomics*, **2004**, 17, 307-15	3.6	127
414	The key role of growth hormone-insulin-IGF-1 signaling in aging and cancer. *Critical Reviews in Oncology/Hematology*, **2013**, 87, 201-23	7	126
413	Proteins induced by telomere dysfunction and DNA damage represent biomarkers of human aging and disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 11299-304	11.5	126
412	Endothelial function and vascular oxidative stress in long-lived GH/IGF-deficient Ames dwarf mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 295, H1882-94	5.2	126
411	Morphometric studies on hamster testes in gonadally active and inactive states: light microscope findings. *Biology of Reproduction*, **1988**, 39, 1225-37	3.9	123
410	The consequences of altered somatotropic system on reproduction. *Biology of Reproduction*, **2004**, 71, 17-27	3.9	122
409	Effect of ethyl alcohol on plasma testosterone level in mice. *Steroids*, **1974**, 23, 921-8	2.8	120
408	Evidence for down-regulation of phosphoinositide 3-kinase/Akt/mammalian target of rapamycin (PI3K/Akt/mTOR)-dependent translation regulatory signaling pathways in Ames dwarf mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2005**, 60, 293-300	6.4	115
407	Time to talk SENS: critiquing the immutability of human aging. *Annals of the New York Academy of Sciences*, **2002**, 959, 452-62; discussion 463-5	6.5	115
406	Ethanol, nicotine, amphetamine, and aspartame consumption and preferences in C57BL/6 and DBA/2 mice. *Pharmacology Biochemistry and Behavior*, **1995**, 50, 619-26	3.9	115

405	Genes that prolong life: relationships of growth hormone and growth to aging and life span. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2001**, 56, B340-9	6.4	114
404	Antioxidative mechanisms and plasma growth hormone levels: potential relationship in the aging process. *Endocrine*, **1999**, 11, 41-8		108
403	Early life growth hormone treatment shortens longevity and decreases cellular stress resistance in long-lived mutant mice. *FASEB Journal*, **2010**, 24, 5073-9	0.9	107
402	Disruption of growth hormone receptor prevents calorie restriction from improving insulin action and longevity. *PLoS ONE*, **2009**, 4, e4567	3.7	107
401	Gene expression patterns in calorically restricted mice: partial overlap with long-lived mutant mice. *Molecular Endocrinology*, **2002**, 16, 2657-66		107
400	Alterations in oxygen consumption, respiratory quotient, and heat production in long-lived GHRKO and Ames dwarf mice, and short-lived bGH transgenic mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2009**, 64, 443-51	6.4	106
399	Impact of reduced insulin-like growth factor-1/insulin signaling on aging in mammals: novel findings. *Aging Cell*, **2008**, 7, 285-90	9.9	106
398	Consequences of growth hormone (GH) overexpression and GH resistance. *Neuropeptides*, **2002**, 36, 201-8	3	105
397	The role of GH in adipose tissue: lessons from adipose-specific GH receptor gene-disrupted mice. *Molecular Endocrinology*, **2013**, 27, 524-35		103
396	Insulin and aging. *Cell Cycle*, **2008**, 7, 3338-43	4.7	103
395	Liver-specific GH receptor gene-disrupted (LiGHRKO) mice have decreased endocrine IGF-I, increased local IGF-I, and altered body size, body composition, and adipokine profiles. *Endocrinology* , **2014**, 155, 1793-805	4.8	95
394	What evidence is there for the existence of individual genes with antagonistic pleiotropic effects?. *Mechanisms of Ageing and Development*, **2005**, 126, 421-9	5.6	93
393	Growth hormone-releasing hormone disruption extends lifespan and regulates response to caloric restriction in mice. *ELife*, **2013**, 2, e01098	8.9	93
392	Growth hormone action predicts age-related white adipose tissue dysfunction and senescent cell burden in mice. *Aging*, **2014**, 6, 575-86	5.6	91
391	Metabolic effects of intra-abdominal fat in GHRKO mice. *Aging Cell*, **2012**, 11, 73-81	9.9	88
390	The response of two types of dwarf mice to growth hormone, thyrotropin, and thyroxine. *General and Comparative Endocrinology*, **1965**, 5, 418-26	3	88
389	MicroRNA regulation in Ames dwarf mouse liver may contribute to delayed aging. *Aging Cell*, **2010**, 9, 1-18	9.9	87
388	Adipocytokines and lipid levels in Ames dwarf and calorie-restricted mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2006**, 61, 323-31	6.4	87

387	Increased neurogenesis in dentate gyrus of long-lived Ames dwarf mice. *Endocrinology*, **2005**, 146, 1138-44	4.8	86
386	Effects of growth hormone on hypothalamic catalase and Cu/Zn superoxide dismutase. *Free Radical Biology and Medicine*, **2000**, 28, 970-8	7.8	86
385	Induction of endogenous insulin-like growth factor-I secretion alters the hypothalamic-pituitary-testicular function in growth hormone-deficient adult dwarf mice. *Biology of Reproduction*, **1993**, 48, 544-51	3.9	85
384	Sex Differences in Longevity and in Responses to Anti-Aging Interventions: A Mini-Review. *Gerontology*, **2015**, 62, 40-6	5.5	84
383	Fertility of transgenic female mice expressing bovine growth hormone or human growth hormone variant genes. *Biology of Reproduction*, **1991**, 45, 178-87	3.9	84
382	Single-gene mutations and healthy ageing in mammals. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 28-34	5.8	82
381	Adipocytokines and the regulation of lipid metabolism in growth hormone transgenic and calorie-restricted mice. *Endocrinology*, **2007**, 148, 2845-53	4.8	79
380	Long-lived Klotho mice: new insights into the roles of IGF-1 and insulin in aging. *Trends in Endocrinology and Metabolism*, **2006**, 17, 33-5	8.8	79
379	Alterations in neuroendocrine function during photoperiod induced testicular atrophy and recrudescence in the golden hamster. *Biology of Reproduction*, **1982**, 26, 437-44	3.9	78
378	KENT AND KLEEMEIER AWARD LECTURES. *Innovation in Aging*, **2019**, 3, S600-S600	0.1	78
377	Insulin sensitivity as a key mediator of growth hormone actions on longevity. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2009**, 64, 516-21	6.4	74
376	GH and IGF1: roles in energy metabolism of long-living GH mutant mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2012**, 67, 652-60	6.4	74
375	Neuroendocrine and reproductive consequences of overexpression of growth hormone in transgenic mice. *Experimental Biology and Medicine*, **1994**, 206, 345-59	3.7	73
374	Delayed aging in Ames dwarf mice. Relationships to endocrine function and body size. *Results and Problems in Cell Differentiation*, **2000**, 29, 181-202	1.4	70
373	Activation of genes involved in xenobiotic metabolism is a shared signature of mouse models with extended lifespan. *American Journal of Physiology - Endocrinology and Metabolism*, **2012**, 303, E488-95	6	68
372	Functional compensation by Egr4 in Egr1-dependent luteinizing hormone regulation and Leydig cell steroidogenesis. *Molecular and Cellular Biology*, **2000**, 20, 5261-8	4.8	67
371	Effects of growth hormone overexpression and growth hormone resistance on neuroendocrine and reproductive functions in transgenic and knock-out mice. *Proceedings of the Society for Experimental Biology and Medicine*, **1999**, 222, 113-23		67
370	Assessment of the primary adrenal cortical and pancreatic hormone basal levels in relation to plasma glucose and age in the unstressed Ames dwarf mouse. *Experimental Biology and Medicine*, **1995**, 210, 126-33	3.7	67

369	Stress resistance and aging: influence of genes and nutrition. *Mechanisms of Ageing and Development*, **2006**, 127, 687-94	5.6	66
368	Aging Induces an Nlrp3 Inflammasome-Dependent Expansion of Adipose B Cells That Impairs Metabolic Homeostasis. *Cell Metabolism*, **2019**, 30, 1024-1039.e6	24.6	66
367	Growth Hormone Deficiency: Health and Longevity. *Endocrine Reviews*, **2019**, 40, 575-601	27.2	65
366	Growth hormone and aging: a challenging controversy. *Clinical Interventions in Aging*, **2008**, 3, 659-65	4	64
365	Body composition of prolactin-, growth hormone, and thyrotropin-deficient Ames dwarf mice. *Endocrine*, **2003**, 20, 149-54		61
364	Effects of delta 9-tetrahydrocannabinol on copulatory behavior and neuroendocrine responses of male rats to female conspecifics. *Pharmacology Biochemistry and Behavior*, **1994**, 48, 1011-7	3.9	61
363	Endogenous human growth hormone (GH) modulates the effect of gonadotropin-releasing hormone on pituitary function and the gonadotropin response to the negative feedback effect of testosterone in adult male transgenic mice bearing human GH gene. *Endocrinology*, **1988**, 123, 2717-22	4.8	61
362	Immunohistological study of the anterior pituitary gland - pars distalis and pars intermedia - in dwarf mice. *Cell and Tissue Research*, **1982**, 223, 415-20	4.2	61
361	Growth Hormone Receptor Deficiency Protects against Age-Related NLRP3 Inflammasome Activation and Immune Senescence. *Cell Reports*, **2016**, 14, 1571-1580	10.6	60
360	Long-lived growth hormone receptor knockout mice show a delay in age-related changes of body composition and bone characteristics. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2006**, 61, 562-7	6.4	60
359	Age-related cataract progression in five mouse models for anti-oxidant protection or hormonal influence. *Experimental Eye Research*, **2005**, 81, 276-85	3.7	59
358	Play, copulation, anatomy, and testosterone in gonadally intact male rats prenatally exposed to flutamide. *Physiology and Behavior*, **2003**, 79, 633-41	3.5	59
357	Metabolic characteristics of long-lived mice. *Frontiers in Genetics*, **2012**, 3, 288	4.5	58
356	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. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2005**, 60, 1238-45	6.4	58
355	Effects of caloric restriction on insulin pathway gene expression in the skeletal muscle and liver of normal and long-lived GHR-KO mice. *Experimental Gerontology*, **2005**, 40, 679-84	4.5	58
354	Biological approaches to mechanistically understand the healthy life span extension achieved by calorie restriction and modulation of hormones. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2009**, 64, 187-91	6.4	57
353	Neuroendocrine regulation of seasonal reproductive activity in the male golden hamster. *Neuroscience and Biobehavioral Reviews*, **1985**, 9, 191-201	9	57
352	Hypothalamic-Pituitary Axis Regulates Hydrogen Sulfide Production. *Cell Metabolism*, **2017**, 25, 1320-1333.e5	24.6	56

351	Effects of delta-9-tetrahydrocannabinol, cannabinol and cannabidiol, alone and in combinations, on luteinizing hormone and prolactin release and on hypothalamic neurotransmitters in the male rat. *Neuroendocrinology*, **1990**, 52, 316-21	5.6	55
350	Evidence for episodic secretion of testosterone in laboratory mice. *Steroids*, **1975**, 26, 749-56	2.8	55
349	Growth hormone, inflammation and aging. *Pathobiology of Aging & Age Related Diseases*, **2012**, 2,	1.3	54
348	Effect of Ames dwarfism and caloric restriction on spontaneous DNA mutation frequency in different mouse tissues. *Mechanisms of Ageing and Development*, **2008**, 129, 528-33	5.6	54
347	Effects of Soy-derived diets on plasma and liver lipids, glucose tolerance, and longevity in normal, long-lived and short-lived mice. *Hormone and Metabolic Research*, **2004**, 36, 550-8	3.1	54
346	Impact of growth hormone resistance on female reproductive function: new insights from growth hormone receptor knockout mice. *Biology of Reproduction*, **2002**, 67, 1115-24	3.9	54
345	IGF-I regulates the age-dependent signaling peptide humanin. *Aging Cell*, **2014**, 13, 958-61	9.9	53
344	The seasonal breeding hamster as a model to study structure-function relationships in the testis. *Tissue and Cell*, **1988**, 20, 63-78	2.7	53
343	Growth hormone modulates hypothalamic inflammation in long-lived pituitary dwarf mice. *Aging Cell*, **2015**, 14, 1045-54	9.9	52
342	PPARs in Calorie Restricted and Genetically Long-Lived Mice. *PPAR Research*, **2007**, 2007, 28436	4.3	52
341	Regulation of testicular prolactin and luteinizing hormone receptors in golden hamsters. *Endocrinology*, **1984**, 114, 594-603	4.8	52
340	The growth hormone receptor gene-disrupted mouse fails to respond to an intermittent fasting diet. *Aging Cell*, **2009**, 8, 756-60	9.9	50
339	Divergent effects of caloric restriction on gene expression in normal and long-lived mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2004**, 59, 784-8	6.4	50
338	Role of growth hormone and prolactin in the control of reproduction: what are we learning from transgenic and knock-out animals?. *Steroids*, **1999**, 64, 598-604	2.8	49
337	Healthy aging: is smaller better? - a mini-review. *Gerontology*, **2012**, 58, 337-43	5.5	48
336	Evidence that growth hormone exerts a feedback effect on stomach ghrelin production and secretion. *Experimental Biology and Medicine*, **2003**, 228, 1028-32	3.7	47
335	Ovarian follicle apoptosis in bovine growth hormone transgenic mice. *Biology of Reproduction*, **2000**, 62, 103-7	3.9	47
334	Catecholamine effects on testicular testosterone production in the gonadally active and the gonadally regressed adult golden hamster. *Biology of Reproduction*, **1989**, 40, 752-61	3.9	47

333	Growth Hormone and Aging: Updated Review. *World Journal of Men?s Health*, **2019**, 37, 19-30	6.8	47
332	Pleiotropic effects of growth hormone signaling in aging. *Trends in Endocrinology and Metabolism*, **2011**, 22, 437-42	8.8	45
331	Long-living growth hormone receptor knockout mice: potential mechanisms of altered stress resistance. *Experimental Gerontology*, **2009**, 44, 10-9	4.5	45
330	Reproductive effects of olfactory bulbectomy in the Syrian hamster. *Biology of Reproduction*, **1986**, 35, 1202-9	3.9	45
329	The negative effect of prolonged somatotrophic/insulin signaling on an adult bone marrow-residing population of pluripotent very small embryonic-like stem cells (VSELs). *Age*, **2013**, 35, 315-30		44
328	Influence of photoperiod and gonadal steroids on hibernation in the European hamster. *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology*, **1988**, 163, 339-48	2.3	44
327	Testosterone plus low-intensity physical training in late life improves functional performance, skeletal muscle mitochondrial biogenesis, and mitochondrial quality control in male mice. *PLoS ONE* , **2012**, 7, e51180	3.7	44
326	Amyloid Beta-Related Alterations to Glutamate Signaling Dynamics During Alzheimer Disease Progression. *ASN Neuro*, **2019**, 11, 1759091419855541	5.3	43
325	Adiponectin in mice with altered GH action: links to insulin sensitivity and longevity?. *Journal of Endocrinology*, **2013**, 216, 363-74	4.7	43
324	Endocrine regulation of heat shock protein mRNA levels in long-lived dwarf mice. *Mechanisms of Ageing and Development*, **2009**, 130, 393-400	5.6	43
323	Growth hormone, insulin and aging: the benefits of endocrine defects. *Experimental Gerontology*, **2011**, 46, 108-11	4.5	42
322	Effects of chronic hyperprolactinemia in mice on plasma gonadotropin concentrations and testicular human chorionic gonadotropin binding sites. *Endocrinology*, **1981**, 108, 1763-8	4.8	42
321	Puberty is delayed in male growth hormone receptor gene-disrupted mice. *Journal of Andrology*, **2002**, 23, 661-8		42
320	GH and ageing: Pitfalls and new insights. *Best Practice and Research in Clinical Endocrinology and Metabolism*, **2017**, 31, 113-125	6.5	41
319	Increased glial fibrillary acidic protein (GFAP) levels in the brains of transgenic mice expressing the bovine growth hormone (bGH) gene. *Experimental Gerontology*, **1995**, 30, 383-400	4.5	41
318	Effects of bovine growth hormone (bGH) transgene expression or bGH treatment on reproductive functions in female mice. *Biology of Reproduction*, **1995**, 52, 1144-8	3.9	41
317	Effects of estrogen-induced hyperprolactinemia on endocrine and sexual functions in adult male rats. *Neuroendocrinology*, **1984**, 39, 126-35	5.6	41
316	Concentration of testosterone in testis fluid of the rat. *Endocrinology*, **1974**, 95, 701-6	4.8	41

315	The contribution of visceral fat to improved insulin signaling in Ames dwarf mice. *Aging Cell*, **2014**, 13, 497-506	9.9	40
314	Effects of heterologous growth hormones on hypothalamic and pituitary function in transgenic mice. *Neuroendocrinology*, **1991**, 53, 365-72	5.6	40
313	Post-transcriptional regulation of IGF1R by key microRNAs in long-lived mutant mice. *Aging Cell*, **2011**, 10, 1080-8	9.9	39
312	Somatotroph and lactotroph changes in the adenohypophyses of mice with disrupted insulin-like growth factor I gene. *Endocrinology*, **1999**, 140, 3881-9	4.8	39
311	Suppression of pulsatile LH secretion, pituitary GnRH receptor content and pituitary responsiveness to GnRH by hyperprolactinemia in the male rat. *Neuroendocrinology*, **1987**, 46, 350-9	5.6	39
310	The somatotropic axis and aging: Benefits of endocrine defects. *Growth Hormone and IGF Research*, **2016**, 27, 41-45	2	38
309	Elevated corticosterone levels in transgenic mice expressing human or bovine growth hormone genes. *Neuroendocrinology*, **1991**, 53, 313-6	5.6	38
308	Effects of hyperprolactinemia on the control of luteinizing hormone and follicle-stimulating hormone secretion in the male rat. *Biology of Reproduction*, **1987**, 36, 138-47	3.9	38
307	Effects of one-stage or serial transections of the lateral olfactory tracts on behavior and plasma testosterone levels in male hamsters. *Brain Research*, **1976**, 109, 97-109	3.7	38
306	A novel insight into aging: are there pluripotent very small embryonic-like stem cells (VSELs) in adult tissues overtime depleted in an Igf-1-dependent manner?. *Aging*, **2010**, 2, 875-83	5.6	38
305	Brown Adipose Tissue Function Is Enhanced in Long-Lived, Male Ames Dwarf Mice. *Endocrinology*, **2016**, 157, 4744-4753	4.8	37
304	Hepatocellular alterations and dysregulation of oncogenic pathways in the liver of transgenic mice overexpressing growth hormone. *Cell Cycle*, **2013**, 12, 1042-57	4.7	37
303	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?. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2009**, 64, 1126-33	6.4	37
302	Caloric restriction and growth hormone receptor knockout: effects on expression of genes involved in insulin action in the heart. *Experimental Gerontology*, **2006**, 41, 417-29	4.5	37
301	Testicular endocrine function in GH receptor gene disrupted mice. *Endocrinology*, **2001**, 142, 3443-50	4.8	37
300	An immunocytochemical and ultrastructural study of adenohypophyses of mice transgenic for human growth hormone. *Endocrinology*, **1990**, 126, 608-15	4.8	37
299	Inhibitory avoidance and appetitive learning in aged normal mice: comparison with transgenic mice having elevated plasma growth hormone levels. *Neurobiology of Learning and Memory*, **1997**, 68, 1-12	3.1	36
298	Effects of caloric restriction and growth hormone resistance on insulin-related intermediates in the skeletal muscle. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2007**, 62, 18-26	6.4	36

297	Epithelial defect in prostates of Stat5a-null mice. *Laboratory Investigation*, **2000**, 80, 993-1006	5.9	36
296	Influence of endogenous prolactin on the luteinizing hormone stimulation of testicular steroidogenesis and the role of prolactin in adult male rats. *Steroids*, **1988**, 51, 559-76	2.8	36
295	Removal of growth hormone receptor (GHR) in muscle of male mice replicates some of the health benefits seen in global GHR-/- mice. *Aging*, **2015**, 7, 500-12	5.6	36
294	Effects of rapamycin on growth hormone receptor knockout mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E1495-E1503	11.5	34
293	Expression of key regulators of mitochondrial biogenesis in growth hormone receptor knockout (GHRKO) mice is enhanced but is not further improved by other potential life-extending interventions. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2011**, 66, 1062-76	6.4	34
292	Catecholamines stimulate testicular steroidogenesis in vitro in the Siberian hamster, Phodopus sungorus. *Biology of Reproduction*, **1993**, 48, 883-8	3.9	34
291	Longevity is impacted by growth hormone action during early postnatal period. *ELife*, **2017**, 6,	8.9	34
290	Infertility in transgenic mice overexpressing the bovine growth hormone gene: luteal failure secondary to prolactin deficiency. *Biology of Reproduction*, **1995**, 52, 1162-6	3.9	33
289	Role of the testis in regulating the duration of hibernation in the Turkish hamster, Mesocricetus brandti. *Biology of Reproduction*, **1982**, 27, 802-10	3.9	33
288	Effects of dietary restriction on the expression of insulin-signaling-related genes in long-lived mutant mice. *Interdisciplinary Topics in Gerontology*, **2007**, 35, 69-82		32
287	The dwarf mutation decreases high dose insulin responses in skeletal muscle, the opposite of effects in liver. *Mechanisms of Ageing and Development*, **2003**, 124, 819-27	5.6	32
286	Effects of long-term caloric restriction on early steps of the insulin-signaling system in mouse skeletal muscle. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2005**, 60, 28-34	6.4	32
285	Smaller cardiac cell size and reduced extra-cellular collagen might be beneficial for hearts of Ames dwarf mice. *International Journal of Biological Sciences*, **2010**, 6, 475-90	11.2	31
284	Effects of long-term caloric restriction on glucose homeostasis and on the first steps of the insulin signaling system in skeletal muscle of normal and Ames dwarf (Prop1df/Prop1df) mice. *Experimental Gerontology*, **2005**, 40, 27-35	4.5	31
283	Influence of hypothalamus and ovary on pituitary function in transgenic mice expressing the bovine growth hormone gene and in growth hormone-deficient Ames dwarf mice. *Biology of Reproduction*, **1996**, 54, 1002-8	3.9	31
282	The influence of beta-endorphin on testicular endocrine function in adult rats. *Biology of Reproduction*, **1992**, 47, 1-5	3.9	31
281	Growth hormone modulation of EGF-induced PI3K-Akt pathway in mice liver. *Cellular Signalling*, **2012**, 24, 514-523	4.9	30
280	Fibroblasts from long-lived mutant mice show diminished ERK1/2 phosphorylation but exaggerated induction of immediate early genes. *Free Radical Biology and Medicine*, **2009**, 47, 1753-61	7.8	30

279	Adult neurogenesis in the hippocampus of long-lived mice during aging. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2007**, 62, 117-25	6.4	30
278	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. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2005**, 60, 1394-8	6.4	30
277	Is growth hormone deficiency a beneficial adaptation to aging? Evidence from experimental animals. *Trends in Endocrinology and Metabolism*, **2003**, 14, 340-4	8.8	30
276	Prolactin in the male: 25 years later. *Journal of Andrology*, **2004**, 25, 661-6		30
275	Sertoli cells in testes containing or lacking germ cells: a comparative study of paracrine effects using the W (c-kit) gene mutant mouse model. *The Anatomical Record*, **1994**, 240, 225-32		30
274	Histamine affects testicular steroid production in the golden hamster. *Endocrinology*, **1989**, 125, 2212-4	4.8	30
273	Pituitary and Testicular Function in Growth Hormone Receptor Gene Knockout Mice		30
272	Growth hormone and aging. *Endocrine*, **1998**, 8, 103-8		29
271	Long-lived Ames dwarf mice: Oxidative damage to mitochondrial DNA in heart and brain. *Journal of the American Aging Association*, **2002**, 25, 119-22		29
270	Temporal sequence of neuroendocrine events associated with the transfer of male golden hamsters from a stimulatory to a nonstimulatory photoperiod. *Biology of Reproduction*, **1991**, 44, 76-82	3.9	29
269	Changes in the testicular microvasculature during photoperiod-related seasonal transition from reproductive quiescence to reproductive activity in the adult golden hamster. *The Anatomical Record*, **1989**, 224, 495-507		29
268	Effects of transgenes for human and bovine growth hormones on age-related changes in ovarian morphology in mice. *The Anatomical Record*, **1990**, 227, 175-86		29
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