Darlene E Berryman

List of Publications by Year
in descending order

#	Article	IF	Citations
1	The GH/IGF-1 axis in ageing and longevity. Nature Reviews Endocrinology, 2013, 9, 366-376.	9.6	418
2	Role of the GH/IGF-1 axis in lifespan and healthspan: Lessons from animal models. Growth Hormone and IGF Research, 2008, 18, 455-471.	1.1	249
3	Comparing adiposity profiles in three mouse models with altered GH signaling. Growth Hormone and IGF Research, 2004, 14, 309-318.	1.1	244
4	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, 64A, 522-529.	3.6	206
5	The GH/IGF-1 axis in obesity: pathophysiology and therapeutic considerations. Nature Reviews Endocrinology, 2013, 9, 346-356.	9.6	183
6	Endocrine Parameters and Phenotypes of the Growth Hormone Receptor Gene Disrupted (GHRâˆ'/âˆ') Mouse. Endocrine Reviews, 2011, 32, 356-386.	20.1	155
7	The Role of GH in Adipose Tissue: Lessons from Adipose-Specific GH Receptor Gene-Disrupted Mice. Molecular Endocrinology, 2013, 27, 524-535.	3.7	131
8	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, 1793-1805.	2.8	125
9	Two-Year Body Composition Analyses of Long-Lived GHR Null Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2010, 65A, 31-40.	3.6	120
10	Growth hormone action predicts age-related white adipose tissue dysfunction and senescent cell burden in mice. Aging, 2014, 6, 575-586.	3.1	107
11	Effect of Growth Hormone on Susceptibility to Diet-Induced Obesity. Endocrinology, 2006, 147, 2801-2808.	2.8	93
12	Age-Related Changes in Body Composition of Bovine Growth Hormone Transgenic Mice. Endocrinology, 2009, 150, 1353-1360.	2.8	86
13	The effects of growth hormone on adipose tissue: old observations, new mechanisms. Nature Reviews Endocrinology, 2020, 16, 135-146.	9.6	83
14	Heterogeneity Among White Adipose Tissue Depots in Male C57BL/6J Mice. Obesity, 2012, 20, 101-111.	3.0	80
15	Regulation of mTOR Activity in Snell Dwarf and GH Receptor Gene-Disrupted Mice. Endocrinology, 2015, 156, 565-575.	2.8	77
16	Loss of Cytokine-STAT5 Signaling in the CNS and Pituitary Gland Alters Energy Balance and Leads to Obesity. PLoS ONE, 2008, 3, e1639.	2.5	75
17	Growth hormone and adipose tissue: Beyond the adipocyte. Growth Hormone and IGF Research, 2011, 21, 113-123.	1.1	73
18	Growth hormone modulates hypothalamic inflammation in longâ€lived pituitary dwarf mice. Aging Cell, 2015, 14, 1045-1054.	6.7	70

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19	Dietetics Students Possess Negative Attitudes toward Obesity Similar to Nondietetics Students. Journal of the American Dietetic Association, 2006, 106, 1678-1682.	1.1	69
20	Growth hormone improves body composition, fasting blood glucose, glucose tolerance and liver triacylglycerol in a mouse model of diet-induced obesity and type 2 diabetes. Diabetologia, 2009, 52, 1647-1655.	6.3	69
21	Evaluation of growth hormone (GH) action in mice: Discovery of GH receptor antagonists and clinical indications. Molecular and Cellular Endocrinology, 2014, 386, 34-45.	3.2	67
22	Disruption of the GH Receptor Gene in Adult Mice Increases Maximal Lifespan in Females. Endocrinology, 2016, 157, 4502-4513.	2.8	64
23	Heparan Sulfate Proteoglycans Are Primarily Responsible for the Maintenance of Enzyme Activity, Binding, and Degradation of Lipoprotein Lipase in Chinese Hamster Ovary Cells. Journal of Biological Chemistry, 1995, 270, 24525-24531.	3.4	53
24	Growth Hormoneâ€™s Effect on Adipose Tissue: Quality versus Quantity. International Journal of Molecular Sciences, 2017, 18, 1621.	4.1	52
25	Genetics and molecular biology of hepatic lipase. Current Opinion in Lipidology, 1996, 7, 77-81.	2.7	51
26	Adiponectin in mice with altered GH action: links to insulin sensitivity and longevity?. Journal of Endocrinology, 2013, 216, 363-374.	2.6	48
27	Removal of growth hormone receptor (GHR) in muscle of male mice replicates some of the health benefits seen in global GHRâ ˆ’/â ˆ’ mice. Aging, 2015, 7, 500-512.	3.1	46
28	ALS blood expression profiling identifies new biomarkers, patient subgroups, and evidence for neutrophilia and hypoxia. Journal of Translational Medicine, 2019, 17, 170.	4.4	45
29	Adipocyte-Specific GH Receptorâ€"Null (AdGHRKO) Mice Have Enhanced Insulin Sensitivity With Reduced Liver Triglycerides. Endocrinology, 2019, 160, 68-80.	2.8	40
30	The effects of weight cycling on lifespan in male C57BL/6J mice. International Journal of Obesity, 2013, 37, 1088-1094.	3.4	38
31	<i>Tbx15</i> Defines a Glycolytic Subpopulation and White Adipocyte Heterogeneity. Diabetes, 2017, 66, 2822-2829.	0.6	37
32	GH action influences adipogenesis of mouse adipose tissue-derived mesenchymal stem cells. Journal of Endocrinology, 2015, 226, 13-23.	2.6	36
33	GH Knockout Mice Have Increased Subcutaneous Adipose Tissue With Decreased Fibrosis and Enhanced Insulin Sensitivity. Endocrinology, 2019, 160, 1743-1756.	2.8	35
34	Gene expression of key regulators of mitochondrial biogenesis is sex dependent in mice with growth hormone receptor deletion in liver. Aging, 2015, 7, 195-204.	3.1	34
35	Male Bovine GH Transgenic Mice Have Decreased Adiposity With an Adipose Depot-Specific Increase in Immune Cell Populations. Endocrinology, 2015, 156, 1794-1803.	2.8	33
36	Analysis of mouse skin reveals proteins that are altered in a diet-induced diabetic state: A new method for detection of type 2 diabetes. Proteomics, 2007, 7, 1140-1149.	2.2	31

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37	Growth hormone controls lipolysis by regulation of FSP27 expression. Journal of Endocrinology, 2018, 239, 289-301.	2.6	31
38	The enigmatic role of growth hormone in age-related diseases, cognition, and longevity. GeroScience, 2019, 41, 759-774.	4.6	29
39	Growth hormone receptor gene disruption in matureâ€adult mice improves male insulin sensitivity and extends female lifespan. Aging Cell, 2021, 20, e13506.	6.7	28
40	Elevated Systolic Blood Pressure in Male GH Transgenic Mice Is Age Dependent. Endocrinology, 2014, 155, 975-986.	2.8	27
41	Glucose and Fat Metabolism in Acromegaly: From Mice Models to Patient Care. Neuroendocrinology, 2016, 103, 96-105.	2.5	27
42	Transcriptome profiling reveals divergent expression shifts in brown and white adipose tissue from long-lived GHRKO mice. Oncotarget, 2015, 6, 26702-26715.	1.8	25
43	Crosstalk between the growth hormone/insulin-like growth factor-1 axis and the gut microbiome: A new frontier for microbial endocrinology. Growth Hormone and IGF Research, 2020, 53-54, 101333.	1.1	25
44	A Dwarf Mouse Model With Decreased GH/IGF-1 Activity That Does Not Experience Life-Span Extension: Potential Impact of Increased Adiposity, Leptin, and Insulin With Advancing Age. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69A, 131-141.	3.6	24
45	CIDE-A is expressed in liver of old mice and in type 2 diabetic mouse liver exhibiting steatosis. Comparative Hepatology, 2007, 6, 4.	0.9	23
46	Plasma proteomic profiles of bovine growth hormone transgenic mice as they age. Transgenic Research, 2011, 20, 1305-1320.	2.4	23
47	Growth Hormone Receptor Antagonist Transgenic Mice Are Protected From Hyperinsulinemia and Glucose Intolerance Despite Obesity When Placed on a HF Diet. Endocrinology, 2015, 156, 555-564.	2.8	22
48	Increased fibrosis: A novel means by which GH influences white adipose tissue function. Growth Hormone and IGF Research, 2018, 39, 45-53.	1.1	22
49	Growth Hormone Deficiency and Excess Alter the Gut Microbiome in Adult Male Mice. Endocrinology, 2020, 161, .	2.8	22
50	Depot-specific and GH-dependent regulation of IGF binding protein-4, pregnancy-associated plasma protein-A, and stanniocalcin-2 in murine adipose tissue. Growth Hormone and IGF Research, 2018, 39, 54-61.	1.1	21
51	Binding of hepatic lipase to heparin: identification of specific heparin-binding residues in two distinct positive charge clusters. Journal of Lipid Research, 2000, 41, 260-268.	4.2	21
52	Mice with gene alterations in the GH and IGF family. Pituitary, 2022, 25, 1-51.	2.9	21
53	Cardiac-Specific Disruption of GH Receptor Alters Glucose Homeostasis While Maintaining Normal Cardiac Performance in Adult Male Mice. Endocrinology, 2016, 157, 1929-1941.	2.8	20
54	Growth Hormone Upregulates Melanocyte-Inducing Transcription Factor Expression and Activity via JAK2-STAT5 and SRC Signaling in GH Receptor-Positive Human Melanoma. Cancers, 2019, 11, 1352.	3.7	20

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55	Characterization of an intestine-specific GH receptor knockout (IntGHRKO) mouse. Growth Hormone and IGF Research, 2019, 46-47, 5-15.	1.1	20
56	Direct and indirect effects of growth hormone receptor ablation on liver expression of xenobiotic metabolizing genes. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E942-E950.	3.5	19
57	Impact of Growth Hormone on Regulation of Adipose Tissue. , 2017, 7, 819-840.		19
58	Assessment of Nutrition Knowledge and Attitudes in Preclinical Osteopathic Medical Students. Journal of Osteopathic Medicine, 2017, 117, 622-633.	0.8	19
59	Chronic Changes in Peripheral Growth Hormone Levels Do Not Affect Ghrelin Stomach mRNA Expression and Serum Ghrelin Levels in Three Transgenic Mouse Models. Journal of Neuroendocrinology, 2004, 16, 669-675.	2.6	18
60	CIDE-A gene expression is decreased in white adipose tissue of growth hormone receptor/binding protein gene disrupted mice and with high-fat feeding of normal mice. Growth Hormone and IGF Research, 2007, 17, 346-351.	1.1	18
61	Daily energy balance in growth hormone receptor/binding protein (GHR â^'/â^') gene-disrupted mice is achieved through an increase in dark-phase energy efficiency. Growth Hormone and IGF Research, 2010, 20, 73-79.	1.1	17
62	Age-Related and Depot-Specific Changes in White Adipose Tissue of Growth Hormone Receptor-Null Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 34-43.	3.6	16
63	Fibroblast growth factor 21, fibroblast growth factor receptor 1, and Î²-Klotho expression in bovine growth hormone transgenic and growth hormone receptor knockout mice. Growth Hormone and IGF Research, 2016, 30-31, 22-30.	1.1	15
64	Growth Hormone Receptor Antagonist Transgenic Mice Have Increased Subcutaneous Adipose Tissue Mass, Altered Glucose Homeostasis and No Change in White Adipose Tissue Cellular Senescence. Gerontology, 2016, 62, 163-172.	2.8	15
65	Using Food as a Tool to Teach Science to 3rd Grade Students in Appalachian Ohio. Journal of Food Science Education, 2010, 9, 41-46.	1.0	14
66	Expression of Apoptosis-Related Genes in Liver-Specific Growth Hormone Receptor Gene-Disrupted Mice Is Sex Dependent. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 44-52.	3.6	14
67	Insulin, IGF-1, and GH Receptors Are Altered in an Adipose Tissue Depotâ€"Specific Manner in Male Mice With Modified GH Action. Endocrinology, 2017, 158, 1406-1418.	2.8	14
68	Heterogeneity spacers in 16S rDNA primers improve analysis of mouse gut microbiomes via greater nucleotide diversity. BioTechniques, 2019, 67, 55-62.	1.8	14
69	New insights of growth hormone (GH) actions from tissue-specific GH receptor knockouts in mice. Archives of Endocrinology and Metabolism, 2020, 63, 557-567.	0.6	14
70	School-Based Screening of the Dietary Intakes of Third Graders in Rural Appalachian Ohio. Journal of School Health, 2010, 80, 536-543.	1.6	13
71	Age- and Sex-Associated Plasma Proteomic Changes in Growth Hormone Receptor Geneâ€"Disrupted Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2012, 67, 830-840.	3.6	13
72	Increased environmental temperature normalizes energy metabolism outputs between normal and Ames dwarf mice. Aging, 2018, 10, 2709-2722.	3.1	13

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73	Covert actions of growth hormone: fibrosis, cardiovascular diseases and cancer. Nature Reviews Endocrinology, 2022, 18, 558-573.	9.6	13
74	Decreased insulin sensitivity and increased oxidative damage in wasting adipose tissue depots of wild-type mice. Age, 2012, 34, 1225-1237.	3.0	12
75	Diet-induced weight loss is sufficient to reduce senescent cell number in white adipose tissue of weight-cycled mice. Nutrition and Healthy Aging, 2016, 4, 95-99.	1.1	12
76	Oligomeric structure of hepatic lipase: evidence from a novel epitope tag technique. BBA - Proteins and Proteomics, 1998, 1382, 217-229.	2.1	10
77	The Effects of 20-kDa Human Placental GH in Male and Female GH-deficient Mice: An Improved Human GH?. Endocrinology, 2020, 161, .	2.8	9
78	Transcriptional profiling identifies strain-specific effects of caloric restriction and opposite responses in human and mouse white adipose tissue. Aging, 2018, 10, 701-746.	3.1	9
79	Developments in our understanding of the effects of growth hormone on white adipose tissue from mice: implications to the clinic. Expert Review of Endocrinology and Metabolism, 2016, 11, 197-207.	2.4	8
80	Growth Hormone Upregulates Mediators of Melanoma Drug Efflux and Epithelial-to-Mesenchymal Transition In Vitro and In Vivo. Cancers, 2020, 12, 3640.	3.7	8
81	Growth hormone alters gross anatomy and morphology of the small and large intestines in age- and sex-dependent manners. Pituitary, 2022, 25, 116-130.	2.9	7
82	GHR â^'/â^' Mice are protected from obesityâ€related white adipose tissue inflammation. Journal of Neuroendocrinology, 2020, 32, e12854.	2.6	6
83	Phenylmethimazole abrogates diet-induced inflammation, glucose intolerance and NAFLD. Journal of Endocrinology, 2018, 237, 337-351.	2.6	5
84	Differential gene signature in adipose tissue depots of growth hormone transgenic mice. Journal of Neuroendocrinology, 2020, 32, e12893.	2.6	5
85	Musculoskeletal Effects of Altered GH Action. Frontiers in Physiology, 2022, 13, .	2.8	5
86	Living Large: What Mouse Models Reveal about Growth Hormone and Obesity. Energy Balance and Cancer, 2015, , 65-95.	0.2	4
87	Cardiometabolic risk factors, metabolic syndrome and pre-diabetes in adolescents in the Sierra region of Ecuador. Diabetology and Metabolic Syndrome, 2017, 9, 24.	2.7	4
88	Regional Variations in Physical Fitness and Activity in Healthy and Overweight Ecuadorian Adolescents. Children, 2018, 5, 104.	1.5	4
89	Assessing utility of a lifestyle-based tool in the clinical setting as a primordial prevention strategy: The Healthy Heart Score. Chronic Illness, 2022, 18, 105-118.	1.5	4
90	Mouse models of growth hormone insensitivity. Reviews in Endocrine and Metabolic Disorders, 2021, 22, 17-29.	5.7	4

#	Article	IF	Citations
91	Transcriptome profiling of insulin sensitive tissues from GH deficient mice following GH treatment. Pituitary, 2021, 24, 384-399.	2.9	4
92	Excess Growth Hormone Alters the Male Mouse Gut Microbiome in an Age-dependent Manner. Endocrinology, 2022, 163, .	2.8	4
93	Growth hormone receptor antagonism downregulates ATP-binding cassette transporters contributing to improved drug efficacy against melanoma and hepatocarcinoma in vivo. Frontiers in Oncology, 0, 12, .	2.8	4
94	Creating a New Paradigm for Premedical Undergraduate Studies: Physiciansâ€™ Perceptions of Subjects and Skills Critical for Success in Medical School and Practice. Medical Education Online, 2006, 11, 4606.	2.6	3
95	Regulation of 11Î²-HSD1 by GH/IGF-1 in key metabolic tissues may contribute to metabolic disease in GH deficient patients. Growth Hormone and IGF Research, 2022, 62, 101440.	1.1	3
96	Elevated Body Image Dissatisfaction Relates to Body Size of Appalachian Children. Topics in Clinical Nutrition, 2006, 21, 101-107.	0.4	2
97	Discovery and uses of pegvisomant: a growth hormone antagonist. Endokrynologia Polska, 2007, 58, 322-9.	1.0	2
98	The Complexity of Adipose Tissue. , 2018, , 205-223.		1
99	Body Composition, Adipose Tissue, and Energy Balance. , 2011, , 441-449.		1
100	Chasing Methuselah: adult inducible GHRKO mice. Aging, 2022, undefined, .	3.1	1
101	Obesity and the Growth Hormone Axis. , 2018, , 321-344.		0
102	Growth hormone impact on adipose tissue and aging. Current Opinion in Endocrine and Metabolic Research, 2019, 5, 45-57.	1.4	0
103	Total and high molecular weight adiponectin levels in mice with altered GH signaling. FASEB Journal, 2010, 24, 547.1.	0.5	0
104	Growth Hormone and Translational Research: From the 'Bench' to the 'Bedside'. Endocrinology and Metabolism, 2011, 26, 285.	3.0	0
105	Repression of GH signaling: One extended life to live!. Aging, 2013, 5, 723-724.	3.1	0
106	MON-LB018 Depot-Specific Differences in Adipose Tissue Morphology with Laron Syndrome. Journal of the Endocrine Society, 2019, 3, .	0.2	0