John J Kopchick

List of Publications by Year
in descending order

332 papers	16,121 citations	15466 65 h-index	24915 109 g-index
340 all docs	340 docs citations	340 times ranked	12285 citing authors

#	Article	IF	Citations
1	Assessment of Growth Parameters and Life Span of GHR/BP Gene-Disrupted Mice¹. Endocrinology, 2000, 141, 2608-2613.	1.4	551
2	Interventions to Slow Aging in Humans: Are We Ready?. Aging Cell, 2015, 14, 497-510.	3.0	481
3	Deletion, But Not Antagonism, of the Mouse Growth Hormone Receptor Results in Severely Decreased Body Weights, Insulin, and Insulin-Like Growth Factor I Levels and Increased Life Span. Endocrinology, 2003, 144, 3799-3810.	1.4	474
4	The GH/IGF-1 axis in ageing and longevity. Nature Reviews Endocrinology, 2013, 9, 366-376.	4.3	418
5	Essential Role of Growth Hormone in Ischemia-Induced Retinal Neovascularization. Science, 1997, 276, 1706-1709.	6.0	392
6	Prolonged Fasting Reduces IGF-1/PKA to Promote Hematopoietic-Stem-Cell-Based Regeneration and Reverse Immunosuppression. Cell Stem Cell, 2014, 14, 810-823.	5.2	369
7	Role of the GH/IGF-1 axis in lifespan and healthspan: Lessons from animal models. Growth Hormone and IGF Research, 2008, 18, 455-471.	0.5	249
8	Comparing adiposity profiles in three mouse models with altered GH signaling. Growth Hormone and IGF Research, 2004, 14, 309-318.	0.5	244
9	Liver-specific Deletion of the Growth Hormone Receptor Reveals Essential Role of Growth Hormone Signaling in Hepatic Lipid Metabolism. Journal of Biological Chemistry, 2009, 284, 19937-19944.	1.6	230
10	Bone homeostasis in growth hormone receptorâ€“null mice is restored by IGF-I but independent of Stat5. Journal of Clinical Investigation, 2000, 106, 1095-1103.	3.9	225
11	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-E29.	1.8	224
12	Prolactin, Growth Hormone, and Epidermal Growth Factor Activate Stat5 in Different Compartments of Mammary Tissue and Exert Different and Overlapping Developmental Effects. Developmental Biology, 2001, 229, 163-175.	0.9	210
13	A Consensus on the Diagnosis and Treatment of Acromegaly Comorbidities: An Update. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e937-e946.	1.8	207
14	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.	1.7	206
15	Growth Hormone (GH), GH Receptor, and Signal Transduction. Molecular Genetics and Metabolism, 2000, 71, 293-314.	0.5	204
16	Inhibition of growth hormone action improves insulin sensitivity in liver IGF-1â€“deficient mice. Journal of Clinical Investigation, 2004, 113, 96-105.	3.9	200
17	Disruption of growth hormone receptor gene causes diminished pancreatic islet size and increased insulin sensitivity in mice. American Journal of Physiology - Endocrinology and Metabolism, 2004, 287, E405-E413.	1.8	195
18	Identification and expression of mammalian long-chain PUFA elongation enzymes. Lipids, 2002, 37, 733-740.	0.7	181

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19	Diagnosis, Genetics, and Therapy of Short Stature in Children: A Growth Hormone Research Society International Perspective. Hormone Research in Paediatrics, 2019, 92, 1-14.	0.8	181
20	Glycine 119 of Bovine Growth Hormone is Critical for Growth-Promoting Activity. Molecular Endocrinology, 1991, 5, 1845-1852.	3.7	162
21	Prolactin and growth hormone regulate adiponectin secretion and receptor expression in adipose tissue. Biochemical and Biophysical Research Communications, 2005, 331, 1120-1126.	1.0	162
22	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, 552-558.	1.1	159
23	Endocrine Parameters and Phenotypes of the Growth Hormone Receptor Gene Disrupted (GHRâˆ’/âˆ’) Mouse. Endocrine Reviews, 2011, 32, 356-386.	8.9	155
24	Functional Antagonism between Endogenous Mouse Growth Hormone (GH) and a GH Analog Results in Dwarf Transgenic Mice[*]. Endocrinology, 1991, 129, 1402-1408.	1.4	148
25	Growth Hormone Regulation of p85Â Expression and Phosphoinositide 3-Kinase Activity in Adipose Tissue: Mechanism for Growth Hormone-Mediated Insulin Resistance. Diabetes, 2007, 56, 1638-1646.	0.3	144
26	Pituitary and Testicular Function in Growth Hormone Receptor Gene Knockout Mice *. Endocrinology, 1999, 140, 1082-1088.	1.4	139
27	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
28	Inhibition of growth hormone action improves insulin sensitivity in liver IGF-1â€“deficient mice. Journal of Clinical Investigation, 2004, 113, 96-105.	3.9	131
29	Growth hormone promotes skeletal muscle cell fusion independent of insulin-like growth factor 1 up-regulation. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7315-7320.	3.3	125
30	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.	1.4	125
31	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.	1.7	120
32	Disruption of Growth Hormone Receptor Prevents Calorie Restriction from Improving Insulin Action and Longevity. PLoS ONE, 2009, 4, e4567.	1.1	116
33	Sexual dimorphism in cortical bone size and strength but not density is determined by independent and time-specific actions of sex steroids and IGF-1: Evidence from pubertal mouse models. Journal of Bone and Mineral Research, 2010, 25, 617-626.	3.1	116
34	Gene Expression Patterns in Calorically Restricted Mice: Partial Overlap with Long-Lived Mutant Mice. Molecular Endocrinology, 2002, 16, 2657-2666.	3.7	111
35	TRANSGENIC MODELS OF GROWTH HORMONE ACTION. Annual Review of Nutrition, 1999, 19, 437-461.	4.3	108
36	Growth hormone action predicts age-related white adipose tissue dysfunction and senescent cell burden in mice. Aging, 2014, 6, 575-586.	1.4	107

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37	Evidence That Insulin-Like Growth Factor I and Growth Hormone Are Required for Prostate Gland Development¹. Endocrinology, 1999, 140, 1984-1989.	1.4	106
38	Development of Pure Prolactin Receptor Antagonists. Journal of Biological Chemistry, 2003, 278, 35988-35999.	1.6	105
39	The role of prolactin and growth hormone in mammary gland development. Molecular and Cellular Endocrinology, 2002, 197, 127-131.	1.6	102
40	Identification of Tyrosine Residues in the Intracellular Domain of the Growth Hormone Receptor Required for Transcriptional Signaling and Stat5 Activation. Journal of Biological Chemistry, 1996, 271, 12669-12673.	1.6	101
41	Growth Hormone Research Society perspective on the development of long-acting growth hormone preparations. European Journal of Endocrinology, 2016, 174, C1-C8.	1.9	99
42	Metabolic effects of intraâ€abdominal fat in GHRKO mice. Aging Cell, 2012, 11, 73-81.	3.0	97
43	Effect of Growth Hormone on Susceptibility to Diet-Induced Obesity. Endocrinology, 2006, 147, 2801-2808.	1.4	93
44	Growth hormone receptor deficiency results in blunted ghrelin feeding response, obesity, and hypolipidemia in mice. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E317-E325.	1.8	92
45	Disulfide Linkage of Growth Hormone (GH) Receptors (GHR) Reflects GH-induced GHR Dimerization. Journal of Biological Chemistry, 1999, 274, 33072-33084.	1.6	89
46	Local prolactin is a target to prevent expansion of basal/stem cells in prostate tumors. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15199-15204.	3.3	87
47	Age-Related Changes in Body Composition of Bovine Growth Hormone Transgenic Mice. Endocrinology, 2009, 150, 1353-1360.	1.4	86
48	Reporter genes in transgenic mice. Transgenic Research, 1994, 3, 182-194.	1.3	85
49	Growth Hormone Inhibits Hepatic De Novo Lipogenesis in Adult Mice. Diabetes, 2015, 64, 3093-3103.	0.3	85
50	Growth Hormone (GH) and a GH Antagonist Promote GH Receptor Dimerization and Internalization. Journal of Biological Chemistry, 1996, 271, 6708-6712.	1.6	84
51	Growth Hormone (GH)-induced Dimerization Inhibits Phorbol Ester-stimulated GH Receptor Proteolysis. Journal of Biological Chemistry, 2001, 276, 24565-24573.	1.6	83
52	The effects of growth hormone on adipose tissue: old observations, new mechanisms. Nature Reviews Endocrinology, 2020, 16, 135-146.	4.3	83
53	Differentially Expressed Proteins in the Pancreas of Diet-induced Diabetic Mice. Molecular and Cellular Proteomics, 2005, 4, 1311-1318.	2.5	81
54	Enlargement of Interscapular Brown Adipose Tissue in Growth Hormone Antagonist Transgenic and in Growth Hormone Receptor Gene-Disrupted Dwarf Mice. Experimental Biology and Medicine, 2003, 228, 207-215.	1.1	80

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55	Heterogeneity Among White Adipose Tissue Depots in Male C57BL/6J Mice. Obesity, 2012, 20, 101-111.	1.5	80
56	Effects of Growth Hormone Overexpression and Growth Hormone Resistance on Neuroendocrine and Reproductive Functions in Transgenic and Knock-Out Mice2. Proceedings of the Society for Experimental Biology and Medicine, 1999, 222, 113-123.	2.0	79
57	Cell-free synthesis of a precursor polyprotein containing both gag and pol gene products by Rauscher murine leukemia virus 35S RNA. Cell, 1978, 13, 359-369.	13.5	78
58	Disruption of Growth Hormone Signaling Retards Early Stages of Prostate Carcinogenesis in the C3(1)/T Antigen Mouse. Endocrinology, 2005, 146, 5188-5196.	1.4	77
59	Regulation of mTOR Activity in Snell Dwarf and GH Receptor Gene-Disrupted Mice. Endocrinology, 2015, 156, 565-575.	1.4	77
60	Growth Hormone Receptor Deficiency Protects against Age-Related NLRP3 Inflammasome Activation and Immune Senescence. Cell Reports, 2016, 14, 1571-1580.	2.9	77
61	Growth Hormone Receptor Antagonists. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 1503-1511.	1.8	76
62	Growth Without Growth Hormone Receptor: Estradiol Is a Major Growth Hormone-Independent Regulator of Hepatic IGF-I Synthesis. Journal of Bone and Mineral Research, 2005, 20, 2138-2149.	3.1	76
63	Protection against Diabetes-Induced Nephropathy in Growth Hormone Receptor/Binding Protein Gene-Disrupted Mice1. Endocrinology, 2000, 141, 163-168.	1.4	73
64	Growth hormone and adipose tissue: Beyond the adipocyte. Growth Hormone and IGF Research, 2011, 21, 113-123.	0.5	73
65	Human growth hormone expressed in tobacco cells as an arabinogalactan-protein fusion glycoprotein has a prolonged serum life. Transgenic Research, 2010, 19, 849-867.	1.3	72
66	Hypothalamic-Pituitary Axis Regulates Hydrogen Sulfide Production. Cell Metabolism, 2017, 25, 1320-1333.e5.	7.2	71
67	Growth hormone modulates hypothalamic inflammation in longâ€lived pituitary dwarf mice. Aging Cell, 2015, 14, 1045-1054.	3.0	70
68	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.	2.9	69
69	Impact of Growth Hormone Resistance on Female Reproductive Function: New Insights from Growth Hormone Receptor Knockout Mice1. Biology of Reproduction, 2002, 67, 1115-1124.	1.2	68
70	Effects of Growth Hormone and Prolactin on Adipose Tissue Development and Function. Pituitary, 2003, 6, 97-102.	1.6	68
71	Growth hormone regulates neuroendocrine responses to weight loss via AgRP neurons. Nature Communications, 2019, 10, 662.	5.8	68
72	Evaluation of growth hormone (GH) action in mice: Discovery of GH receptor antagonists and clinical indications. Molecular and Cellular Endocrinology, 2014, 386, 34-45.	1.6	67

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73	cDNA cloning and characterization of human Î”5-desaturase involved in the biosynthesis of arachidonic acid. Biochemical Journal, 2000, 347, 719-724.	1.7	65
74	Impact of Androgens, Growth Hormone, and IGF-I on Bone and Muscle in Male Mice During Puberty. Journal of Bone and Mineral Research, 2006, 22, 72-82.	3.1	64
75	Disruption of the GH Receptor Gene in Adult Mice Increases Maximal Lifespan in Females. Endocrinology, 2016, 157, 4502-4513.	1.4	64
76	Remodeling of Mouse Milk Glycoconjugates by Transgenic Expression of a Human Glycosyltransferase. Journal of Biological Chemistry, 1995, 270, 29515-29519.	1.6	61
77	Evidence for Growth Hormone (GH) Autoregulation in Pituitary Somatotrophs in GH Antagonist-Transgenic Mice and GH Receptor-Deficient Mice. American Journal of Pathology, 2000, 156, 1009-1015.	1.9	61
78	The Human Growth Hormone Antagonist B2036 Does Not Interact with the Prolactin Receptor. Endocrinology, 1999, 140, 3853-3856.	1.4	59
79	Inhibition of estrogen-independent mammary carcinogenesis by disruption of growth hormone signaling. Carcinogenesis, 2007, 28, 143-150.	1.3	57
80	Hypothesis: Extra-hepatic acromegaly: a new paradigm?. European Journal of Endocrinology, 2011, 164, 11-16.	1.9	55
81	Growth Hormone Promotes the Association of Transcription Factor STAT5 with the Growth Hormone Receptor. Journal of Biological Chemistry, 1996, 271, 19768-19773.	1.6	53
82	Is the Laron Mouse an Accurate Model of Laron Syndrome?. Molecular Genetics and Metabolism, 1999, 68, 232-236.	0.5	53
83	Pancreatic Islet-Specific Expression of an Insulin-Like Growth Factor-I Transgene Compensates Islet Cell Growth in Growth Hormone Receptor Gene-Deficient Mice. Endocrinology, 2005, 146, 2602-2609.	1.4	53
84	Growth hormone gene expression in eukaryotic cells directed by the Rous sarcoma virus long terminal repeat or cytomegalovirus immediate-early promoter. Gene, 1985, 38, 227-232.	1.0	52
85	MECHANISMS IN ENDOCRINOLOGY: Lessons from growth hormone receptor gene-disrupted mice: are there benefits of endocrine defects?. European Journal of Endocrinology, 2018, 178, R155-R181.	1.9	52
86	Endocrine regulation of heat shock protein mRNA levels in long-lived dwarf mice. Mechanisms of Ageing and Development, 2009, 130, 393-400.	2.2	50
87	The aging population â€“ Is there a role for endocrine interventions?. Growth Hormone and IGF Research, 2009, 19, 89-100.	0.5	50
88	Developmental aspects of adipose tissue in GH receptor and prolactin receptor gene disrupted mice: site-specific effects upon proliferation, differentiation and hormone sensitivity. Journal of Endocrinology, 2006, 191, 101-111.	1.2	48
89	Adiponectin in mice with altered GH action: links to insulin sensitivity and longevity?. Journal of Endocrinology, 2013, 216, 363-374.	1.2	48
90	The somatotropic axis and aging: Benefits of endocrine defects. Growth Hormone and IGF Research, 2016, 27, 41-45.	0.5	48

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91	Growth hormone signaling is necessary for lifespan extension by dietary methionine. Aging Cell, 2014, 13, 1019-1027.	3.0	47
92	Removal of growth hormone receptor (GHR) in muscle of male mice replicates some of the health benefits seen in global GHRâˆ'/âˆ' mice. Aging, 2015, 7, 500-512.	1.4	46
93	G120R, a Human Growth Hormone Antagonist, Shows Zinc-dependent Agonist and Antagonist Activity on Nb2 Cells. Journal of Biological Chemistry, 1995, 270, 9222-9226.	1.6	45
94	Growth Hormone Receptor Antagonists. Neuroendocrinology, 2006, 83, 264-268.	1.2	45
95	ALS blood expression profiling identifies new biomarkers, patient subgroups, and evidence for neutrophilia and hypoxia. Journal of Translational Medicine, 2019, 17, 170.	1.8	45
96	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.	1.7	44
97	Postâ€transcriptional regulation of IGF1R by key microRNAs in longâ€“lived mutant mice. Aging Cell, 2011, 10, 1080-1088.	3.0	44
98	Puberty is delayed in male growth hormone receptor gene-disrupted mice. Journal of Andrology, 2002, 23, 661-8.	2.0	44
99	The Growth Hormone (GH)-Axis of GH Receptor/Binding Protein Gene-Disrupted and Metallothionein-Human GH-Releasing Hormone Transgenic Mice: Hypothalamic Neuropeptide and Pituitary Receptor Expression in the Absence and Presence of GH Feedback*. Endocrinology, 2001, 142, 1117-1123.	1.4	42
100	Growth hormone acts along the PPARÎ³-FSP27 axis to stimulate lipolysis in human adipocytes. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E34-E42.	1.8	42
101	Safety of growth hormone replacement in survivors of cancer and intracranial and pituitary tumours: a consensus statement. European Journal of Endocrinology, 2022, 186, P35-P52.	1.9	42
102	Compensatory renal growth in uninephrectomized adult mice is growth hormone dependent. Kidney International, 1999, 56, 2048-2054.	2.6	41
103	Biological effects of growth hormone and its antagonist. Trends in Molecular Medicine, 2001, 7, 126-132.	3.5	40
104	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.	3.3	40
105	Adipocyte-Specific GH Receptorâ€“Null (AdGHRKO) Mice Have Enhanced Insulin Sensitivity With Reduced Liver Triglycerides. Endocrinology, 2019, 160, 68-80.	1.4	40
106	Constitutive Expression of Peroxisome Proliferator-Activated Receptor Î±-Regulated Genes in Dwarf Mice. Molecular Pharmacology, 2005, 67, 681-694.	1.0	39
107	Caloric restriction and growth hormone receptor knockout: Effects on expression of genes involved in insulin action in the heart. Experimental Gerontology, 2006, 41, 417-429.	1.2	39
108	Growth Hormone Research Society perspective on biomarkers of GH action in children and adults. Endocrine Connections, 2018, 7, R126-R134.	0.8	39

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109	Phase separation of acetonitrile-water mixture in protein purification. Separation and Purification Technology, 1994, 4, 258-260.	0.7	38
110	Muscle mechano growth factor is preferentially induced by growth hormone in growth hormone-deficientlit/litmice. Journal of Physiology, 2004, 560, 341-349.	1.3	38
111	Hypothalamic growth hormone receptor (GHR)Âcontrols hepatic glucose production in nutrient-sensing leptin receptor (LepRb) expressing neurons. Molecular Metabolism, 2017, 6, 393-405.	3.0	38
112	Growth Hormone and the Epithelial-to-Mesenchymal Transition. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 3662-3673.	1.8	38
113	Discovery and mechanism of action of pegvisomant. European Journal of Endocrinology, 2003, 148, S21-S25.	1.9	37
114	GH action influences adipogenesis of mouse adipose tissue-derived mesenchymal stem cells. Journal of Endocrinology, 2015, 226, 13-23.	1.2	36
115	Targeting growth hormone receptor in human melanoma cells attenuates tumor progression and epithelial mesenchymal transition via suppression of multiple oncogenic pathways. Oncotarget, 2017, 8, 21579-21598.	0.8	36
116	Inhibition of diabetic nephropathy by a GH antagonist: A molecular analysis. Kidney International, 1996, 50, 506-514.	2.6	35
117	GH Knockout Mice Have Increased Subcutaneous Adipose Tissue With Decreased Fibrosis and Enhanced Insulin Sensitivity. Endocrinology, 2019, 160, 1743-1756.	1.4	35
118	Growth hormone action in the developing neural retina: A proteomic analysis. Proteomics, 2008, 8, 389-401.	1.3	34
119	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.	1.4	34
120	Plasma biomarkers of mouse aging. Age, 2011, 33, 291-307.	3.0	33
121	Male Bovine GH Transgenic Mice Have Decreased Adiposity With an Adipose Depot-Specific Increase in Immune Cell Populations. Endocrinology, 2015, 156, 1794-1803.	1.4	33
122	Growth hormone enhances the recovery of hypoglycemia <i>via</i> ventromedial hypothalamic neurons. FASEB Journal, 2019, 33, 11909-11924.	0.2	33
123	Local over-expression of prolactin in differentiating mouse mammary gland induces functional defects and benign lesions, but no carcinoma. Journal of Endocrinology, 2006, 190, 271-285.	1.2	32
124	Growth hormone receptor gene deficiency causes delayed insulin responsiveness in skeletal muscles without affecting compensatory islet cell overgrowth in obese mice. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E491-E498.	1.8	32
125	A proteomic approach to obesity and type 2 diabetes. Journal of Cellular and Molecular Medicine, 2015, 19, 1455-1470.	1.6	32
126	Effect of growth hormone on insulin signaling. Molecular and Cellular Endocrinology, 2020, 518, 111038.	1.6	32

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127	Pituitary and Testicular Function in Growth Hormone Receptor Gene Knockout Mice. , 0, .		32
128	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.	1.3	31
129	Human metastatic melanoma cell lines express high levels of growth hormone receptor and respond to GH treatment. Biochemical and Biophysical Research Communications, 2013, 441, 144-150.	1.0	31
130	The role of transplanted visceral fat from the long-lived growth hormone receptor knockout mice on insulin signaling. GeroScience, 2017, 39, 51-59.	2.1	31
131	Growth hormone controls lipolysis by regulation of FSP27 expression. Journal of Endocrinology, 2018, 239, 289-301.	1.2	31
132	Perspective: Proteomic approach to detect biomarkers of human growth hormone. Growth Hormone and IGF Research, 2009, 19, 399-407.	0.5	30
133	Proteomic changes in the heart of diet-induced pre-diabetic mice. Journal of Proteomics, 2011, 74, 716-727.	1.2	30
134	Liver and Kidney Growth Hormone (GH) Receptors Are Regulated Differently in Diabetic GH and GH Antagonist Transgenic Mice*. Endocrinology, 1997, 138, 1988-1994.	1.4	29
135	The enigmatic role of growth hormone in age-related diseases, cognition, and longevity. GeroScience, 2019, 41, 759-774.	2.1	29
136	Adiposity profile in the dwarf rat: an unusually lean model of profound growth hormone deficiency. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E1483-E1494.	1.8	28
137	Growth Hormone Resistanceâ€"Special Focus on Inflammatory Bowel Disease. International Journal of Molecular Sciences, 2017, 18, 1019.	1.8	28
138	Central growth hormone action regulates metabolism during pregnancy. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E925-E940.	1.8	28
139	Tyrosine Hydroxylase Neurons Regulate Growth Hormone Secretion via Short-Loop Negative Feedback. Journal of Neuroscience, 2020, 40, 4309-4322.	1.7	28
140	Growth hormone receptor gene disruption in matureâ€adult mice improves male insulin sensitivity and extends female lifespan. Aging Cell, 2021, 20, e13506.	3.0	28
141	Insulin receptor substrates form high-molecular-mass complexes that modulate their availability to insulin/insulin-like growth factor-I receptor tyrosine kinases. Biochemical and Biophysical Research Communications, 2011, 404, 767-773.	1.0	27
142	Elevated Systolic Blood Pressure in Male GH Transgenic Mice Is Age Dependent. Endocrinology, 2014, 155, 975-986.	1.4	27
143	Specific suppression of insulin sensitivity in <i>growth hormone receptor</i> geneâ€disrupted (<scp>GHR</scp>â€<scp>KO</scp>) mice attenuates phenotypic features of slow aging. Aging Cell, 2014, 13, 981-1000.	3.0	27
144	Mitochondrial Function Is Compromised in Cortical Bone Osteocytes of Long-Lived Growth Hormone Receptor Null Mice. Journal of Bone and Mineral Research, 2019, 34, 106-122.	3.1	27

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145	Use of Avian Retro viral-Bovine Growth Hormone DNA Recombinants to Direct Expression of Biologically Active Growth Hormone by Cultured Fibroblasts. DNA and Cell Biology, 1985, 4, 23-31.	5.1	26
146	Co-Expression of Bovine Growth Hormone (GH) and Human GH Antagonist Genes in Transgenic Mice. Endocrinology, 1997, 138, 851-854.	1.4	26
147	Low-Protein Diet Suppresses Serum Insulin-Like Growth Factor-1 and Decelerates the Progression of Growth Hormone-Induced Glomerulosclerosis. American Journal of Nephrology, 2001, 21, 331-339.	1.4	26
148	Serum proteome changes in acromegalic patients following transsphenoidal surgery: novel biomarkers of disease activity. European Journal of Endocrinology, 2011, 164, 157-167.	1.9	26
149	Activation of the GH/IGF-1 axis by CJC-1295, a long-acting GHRH analog, results in serum protein profile changes in normal adult subjects. Growth Hormone and IGF Research, 2009, 19, 471-477.	0.5	25
150	Transcriptome profiling reveals divergent expression shifts in brown and white adipose tissue from long-lived GHRKO mice. Oncotarget, 2015, 6, 26702-26715.	0.8	25
151	Growth hormone/STAT5 signaling in proopiomelanocortin neurons regulates glucoprivic hyperphagia. Molecular and Cellular Endocrinology, 2019, 498, 110574.	1.6	25
152	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.	0.5	25
153	Growth Hormone Receptor Deletion Reduces the Density of Axonal Projections from Hypothalamic Arcuate Nucleus Neurons. Neuroscience, 2020, 434, 136-147.	1.1	25
154	Perspective: Proteomicsâ€"See â€œSpotsâ€•Run. Endocrinology, 2002, 143, 1990-1994.	1.4	24
155	Effects of growth hormone overexpression vs. growth hormone receptor gene disruption on mouse hindlimb muscle fiber type composition. Growth Hormone and IGF Research, 2008, 18, 479-486.	0.5	24
156	Novel serum biomarkers for erythropoietin use in humans: a proteomic approach. Journal of Applied Physiology, 2011, 110, 149-156.	1.2	24
157	Pharmacologic Inhibition of Ghrelin Receptor Signaling Is Insulin Sparing and Promotes Insulin Sensitivity. Journal of Pharmacology and Experimental Therapeutics, 2011, 339, 115-124.	1.3	24
158	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.	1.7	24
159	Central growth hormone signaling is not required for the timing of puberty. Journal of Endocrinology, 2019, 243, 161-173.	1.2	24
160	Growth Hormone Receptor/Binding Protein (GHR/BP) Knockout Mice: A 3-Year Update. Molecular Genetics and Metabolism, 2001, 73, 1-10.	0.5	23
161	Plasma proteomic profiles of bovine growth hormone transgenic mice as they age. Transgenic Research, 2011, 20, 1305-1320.	1.3	23
162	Tissue-Specific Suppression of Thyroid Hormone Signaling in Various Mouse Models of Aging. PLoS ONE, 2016, 11, e0149941.	1.1	23

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163	A 40-Amino Acid Segment of the Growth Hormone Receptor Cytoplasmic Domain Is Essential for GH-induced Tyrosine-phosphorylated Cytosolic Proteins. Journal of Biological Chemistry, 1995, 270, 6261-6266.	1.6	22
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