Stuart J Frank

List of Publications by Year
in descending order

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78	3,766	94269	133063
papers	citations	37 h-index	59 g-index

79	79	79	3927
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Augmented Cardiac Growth Hormone Signaling Contributes to Cardiomyopathy Following Genetic Disruption of the Cardiomyocyte Circadian Clock. Frontiers in Pharmacology, 2022, 13, 836725.	1.6	6
2	Physiology of GH action and associated human disorders. Molecular and Cellular Endocrinology, 2021, 520, 111078.	1.6	1
3	Impact of obesity on dayâ€night differences in cardiac metabolism. FASEB Journal, 2021, 35, e21298.	0.2	18
4	Branched chain amino acids selectively promote cardiac growth at the end of the awake period. Journal of Molecular and Cellular Cardiology, 2021, 157, 31-44.	0.9	29
5	Autocrine/paracrine actions of growth hormone in human melanoma cell lines. Biochemistry and Biophysics Reports, 2020, 21, 100716.	0.7	4
6	Classical and novel GH receptor signaling pathways. Molecular and Cellular Endocrinology, 2020, 518, 110999.	1.6	21
7	Differential effects of REV-ERBÎ±/Î² agonism on cardiac gene expression, metabolism, and contractile function in a mouse model of circadian disruption. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H1487-H1508.	1.5	29
8	A Small Molecule, UAB126, Reverses Diet-Induced Obesity and its Associated Metabolic Disorders. Diabetes, 2020, 69, 2003-2016.	0.3	10
9	Insulin-Like Growth Factors Are Key Regulators of T Helper 17 Regulatory T Cell Balance in Autoimmunity. Immunity, 2020, 52, 650-667.e10.	6.6	84
10	Growth hormone (GH) receptor (GHR)-specific inhibition of GH-Induced signaling by soluble IGF-1 receptor (sol IGF-1R). Molecular and Cellular Endocrinology, 2019, 492, 110445.	1.6	8
11	Temporal partitioning of adaptive responses of the murine heart to fasting. Life Sciences, 2018, 197, 30-39.	2.0	16
12	Differential tissue response to growth hormone in mice. FEBS Open Bio, 2018, 8, 1146-1154.	1.0	7
13	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.	1.4	14
14	Genetic disruption of the cardiomyocyte circadian clock differentially influences insulin-mediated processes in the heart. Journal of Molecular and Cellular Cardiology, 2017, 110, 80-95.	0.9	52
15	Subdomain 2, Not the Transmembrane Domain, Determines the Dimerization Partner of Growth Hormone Receptor and Prolactin Receptor. Endocrinology, 2017, 158, 3235-3248.	1.4	12
16	Molecular interactions of EphA4, growth hormone receptor, Janus kinase 2, and signal transducer and activator of transcription 5B. PLoS ONE, 2017, 12, e0180785.	1.1	9
17	GHR/PRLR Heteromultimer Is Composed of GHR Homodimers and PRLR Homodimers. Molecular Endocrinology, 2016, 30, 504-517.	3.7	13
18	TIMP3 Modulates GHR Abundance and GH Sensitivity. Molecular Endocrinology, 2016, 30, 587-599.	3.7	10

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19	Calcium channel blocker use is associated with lower fasting serum glucose among adults with diabetes from the REGARDS study. Diabetes Research and Clinical Practice, 2016, 115, 115-121.	1.1	40
20	Augmented Stat5 Signaling Bypasses Multiple Impediments to Lactogen-Mediated Proliferation in Human Î²-Cells. Diabetes, 2015, 64, 3784-3797.	0.3	52
21	Growth Hormone Inhibits Hepatic De Novo Lipogenesis in Adult Mice. Diabetes, 2015, 64, 3093-3103.	0.3	85
22	Dynamic Analysis of GH Receptor Conformational Changes by Split Luciferase Complementation. Molecular Endocrinology, 2014, 28, 1807-1819.	3.7	11
23	Human GH Receptor-IGF-1 Receptor Interaction: Implications for GH Signaling. Molecular Endocrinology, 2014, 28, 1841-1854.	3.7	29
24	Circadian clock control of endocrine factors. Nature Reviews Endocrinology, 2014, 10, 466-475.	4.3	353
25	Distinct mechanisms of induction of hepatic growth hormone resistance by endogenous IL-6, TNF-Î±, and IL-1Î². American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E186-E198.	1.8	42
26	Functional Collaboration of Insulin-Like Growth Factor-1 Receptor (IGF-1R), but Not Insulin Receptor (IR), With Acute GH Signaling in Mouse Calvarial Cells. Endocrinology, 2014, 155, 1000-1009.	1.4	8
27	The Role of Prolactin Receptor in GH Signaling in Breast Cancer Cells. Molecular Endocrinology, 2013, 27, 266-279.	3.7	36
28	IGF-1R Modulation of Acute GH-Induced STAT5 Signaling: Role of Protein Tyrosine Phosphatase Activity. Molecular Endocrinology, 2013, 27, 1969-1979.	3.7	21
29	Growth Hormone-induced JAK2 Signaling and GH Receptor Down-regulation: Role of GH Receptor Intracellular Domain Tyrosine Residues. Endocrinology, 2012, 153, 2311-2322.	1.4	11
30	Synergy in ERK activation by cytokine receptors and tyrosine kinase growth factor receptors. Cellular Signalling, 2011, 23, 417-424.	1.7	22
31	Inhibitory GH Receptor Extracellular Domain Monoclonal Antibodies: Three-Dimensional Epitope Mapping. Endocrinology, 2011, 152, 4777-4788.	1.4	14
32	Signaling Cross Talk between Growth Hormone (GH) and Insulin-Like Growth Factor-I (IGF-I) in Pancreatic Islet Î²-Cells. Molecular Endocrinology, 2011, 25, 2119-2133.	3.7	30
33	Growth Hormone Signaling in Human T47D Breast Cancer Cells: Potential Role for a Growth Hormone Receptor-Prolactin Receptor Complex. Molecular Endocrinology, 2011, 25, 597-610.	3.7	53
34	Constance Shen Pittman, MD (January 2, 1929-January 15, 2010). American Journal of the Medical Sciences, 2010, 339, 305-306.	0.4	0
35	Deletion of IGF-I Receptor (IGF-IR) in Primary Osteoblasts Reduces GH-Induced STAT5 Signaling. Molecular Endocrinology, 2010, 24, 644-656.	3.7	30
36	Distinct growth hormone receptor signaling modes regulate skeletal muscle development and insulin sensitivity in mice. Journal of Clinical Investigation, 2010, 120, 4007-4020.	3.9	171

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37	Interruption of Growth Hormone Signaling via SHC and ERK in 3T3-F442A Preadipocytes upon Knockdown of Insulin Receptor Substrate-1. Molecular Endocrinology, 2009, 23, 486-496.	3.7	11
38	Mechanistic Aspects of Crosstalk Between GH and PRL and ErbB Receptor Family Signaling. Journal of Mammary Gland Biology and Neoplasia, 2008, 13, 119-129.	1.0	24
39	ERK-dependent threonine phosphorylation of EGF receptor modulates receptor downregulation and signaling. Cellular Signalling, 2008, 20, 2145-2155.	1.7	83
40	Modulation of growth hormone receptor abundance and function: roles for the ubiquitinâ€“proteasome system. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2008, 1782, 785-794.	1.8	20
41	Prolactin stimulates ubiquitination, initial internalization, and degradation of its receptor via catalytic activation of Janus kinase 2. Journal of Endocrinology, 2008, 196, R1-R7.	1.2	38
42	Noninvasive Bioluminescence Imaging in Small Animals. ILAR Journal, 2008, 49, 103-115.	1.8	120
43	Endotoxin-Induced Proteolytic Reduction in Hepatic Growth Hormone (GH) Receptor: A Novel Mechanism for GH Insensitivity. Molecular Endocrinology, 2008, 22, 1427-1437.	3.7	40
44	Activation of Growth Hormone Receptors by Growth Hormone and Growth Hormone Antagonist Dimers: Insights into Receptor Triggering. Molecular Endocrinology, 2008, 22, 978-988.	3.7	43
45	Mode of Growth Hormone Action in Osteoblasts. Journal of Biological Chemistry, 2007, 282, 31666-31674.	1.6	88
46	A Growth Hormone Receptor Mutation Impairs Growth Hormone Autofeedback Signaling in Pituitary Tumors. Cancer Research, 2007, 67, 7505-7511.	0.4	64
47	Endoplasmic Reticulum-Associated Degradation of Growth Hormone Receptor in Janus Kinase 2-Deficient Cells. Endocrinology, 2007, 148, 5955-5965.	1.4	11
48	Growth Hormone, Insulin-Like Growth Factor I, and Growth: Local Knowledge. Endocrinology, 2007, 148, 1486-1488.	1.4	14
49	Role of the Growth Hormone (GH) Receptor Transmembrane Domain in Receptor Predimerization and GH-Induced Activation. Molecular Endocrinology, 2007, 21, 1642-1655.	3.7	44
50	Determinants of Growth Hormone Receptor Down-Regulation. Molecular Endocrinology, 2007, 21, 1537-1551.	3.7	34
51	Janus Kinase 2 Influences Growth Hormone Receptor Metalloproteolysis. Endocrinology, 2006, 147, 2839-2849.	1.4	32
52	In VivoImaging of Hepatic Growth Hormone Signaling. Molecular Endocrinology, 2006, 20, 2819-2830.	3.7	12
53	Janus Kinase 2 Enhances the Stability of the Mature Growth Hormone Receptor. Endocrinology, 2005, 146, 4755-4765.	1.4	37
54	Growth Hormone Receptor Is a Target for Presenilin-dependent Î³-Secretase Cleavage. Journal of Biological Chemistry, 2005, 280, 19331-19342.	1.6	61

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55	Physical and Functional Interaction of Growth Hormone and Insulin-Like Growth Factor-I Signaling Elements. Molecular Endocrinology, 2004, 18, 1471-1485.	3.7	58
56	A Conformationally Sensitive GHR [Growth Hormone (GH) Receptor] Antibody: Impact on GH Signaling and GHR Proteolysis. Molecular Endocrinology, 2004, 18, 2981-2996.	3.7	44
57	Growth Hormone Alters Epidermal Growth Factor Receptor Binding Affinity via Activation of Extracellular Signal-Regulated Kinases in 3T3-F442A Cells. Endocrinology, 2004, 145, 3297-3306.	1.4	32
58	Caveolar and Lipid Raft Localization of the Growth Hormone Receptor and Its Signaling Elements. Journal of Biological Chemistry, 2004, 279, 20898-20905.	1.6	58
59	Growth Hormone-induced Phosphorylation of Epidermal Growth Factor (EGF) Receptor in 3T3-F442A Cells. Journal of Biological Chemistry, 2003, 278, 18902-18913.	1.6	71
60	Janus Kinase 2 Determinants for Growth Hormone Receptor Association, Surface Assembly, and Signaling. Molecular Endocrinology, 2003, 17, 2211-2227.	3.7	58
61	Reduced Proteolysis of Rabbit Growth Hormone (GH) Receptor Substituted with Mouse GH Receptor Cleavage Site. Molecular Endocrinology, 2003, 17, 1931-1943.	3.7	18
62	Interleukin-6 inhibits hepatic growth hormone signaling via upregulation of Cis and Socs-3. American Journal of Physiology - Renal Physiology, 2003, 284, G646-G654.	1.6	84
63	Metalloprotease-mediated GH Receptor Proteolysis and GHBP Shedding. Journal of Biological Chemistry, 2002, 277, 50510-50519.	1.6	76
64	A Role for Grb2-Associated Binder-1 in Growth Hormone Signaling. Endocrinology, 2002, 143, 4856-4867.	1.4	32
65	Minireview: Receptor Dimerization in GH and Erythropoietin Actionâ€"It Takes Two to Tango, But How?. Endocrinology, 2002, 143, 2-10.	1.4	107
66	Growth Hormone (GH)-induced Dimerization Inhibits Phorbol Ester-stimulated GH Receptor Proteolysis. Journal of Biological Chemistry, 2001, 276, 24565-24573.	1.6	83
67	Phorbol Ester- and Growth Factor-Induced Growth Hormone (GH) Receptor Proteolysis and GH-Binding Protein Shedding: Relationship to GH Receptor Down-Regulation¹. Endocrinology, 2001, 142, 1137-1147.	1.4	48
68	Tumor Necrosis Factor-Î± Converting Enzyme (TACE) Is a Growth Hormone Binding Protein (GHBP) Sheddase: The Metalloprotease TACE/ADAM-17 Is Critical for (PMA-Induced) GH Receptor Proteolysis and GHBP Generation*. Endocrinology, 2000, 141, 4342-4348.	1.4	129
69	Insulin Receptor Substrate-1-Mediated Enhancement of Growth Hormone-Induced Mitogen-Activated Protein Kinase Activation*. Endocrinology, 2000, 141, 3328-3336.	1.4	49
70	Insulin Receptor Substrate-1 Enhances Growth Hormone-Induced Proliferation*. Endocrinology, 1999, 140, 1972-1983.	1.4	46
71	Growth Hormone-Mediated Regulation of Insulin-Like Growth Factor I Promoter Activity in C6 Glioma Cells*. Endocrinology, 1999, 140, 3073-3081.	1.4	36
72	Growth Hormone-induced Alteration in ErbB-2 Phosphorylation Status in 3T3-F442A Fibroblasts. Journal of Biological Chemistry, 1999, 274, 36015-36024.	1.6	52

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73	Disulfide Linkage of Growth Hormone (GH) Receptors (GHR) Reflects GH-induced GHR Dimerization. Journal of Biological Chemistry, 1999, 274, 33072-33084.	1.6	89
74	Growth Hormone-Dependent Tyrosine Phosphorylation of a GH Receptor-Associated High Molecular WEIGHT Protein Immunologically Related to JAK2. Biochemical and Biophysical Research Communications, 1998, 253, 774-779.	1.0	51
75	Blockade of Growth Hormone Receptor Shedding by a Metalloprotease Inhibitor*. Endocrinology, 1998, 139, 1927-1935.	1.4	71
76	Involvement of the Src Homology 2-containing Tyrosine Phosphatase SHP-2 in Growth Hormone Signaling. Journal of Biological Chemistry, 1998, 273, 2344-2354.	1.6	142
77	Regions of the JAK2 Tyrosine Kinase Required for Coupling to the Growth Hormone Receptor. Journal of Biological Chemistry, 1995, 270, 14776-14785.	1.6	152
78	Insulin Receptor Substrate-1-Mediated Enhancement of Growth Hormone-Induced Mitogen-Activated Protein Kinase Activation. , 0, .		15