Charles H Lang

List of Publications by Year
in descending order

271 papers	11,035 citations	19657 61 h-index	53230 85 g-index
277 all docs	277 docs citations	277 times ranked	8879 citing authors

#	Article	IF	Citations
1	TNF-Î± impairs heart and skeletal muscle protein synthesis by altering translation initiation. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E336-E347.	3.5	223
2	Lipopolysaccharide regulates proinflammatory cytokine expression in mouse myoblasts and skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 283, R698-R709.	1.8	205
3	Regulation of muscle protein synthesis during sepsis and inflammation. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E453-E459.	3.5	202
4	Endotoxin Stimulates In Vivo Expression of Inflammatory Cytokines Tumor Necrosis Factor Alpha, Interleukin-1??, -6, and High-Mobility-Group Protein-1 in Skeletal Muscle. Shock, 2003, 19, 538-546.	2.1	189
5	Contribution of insulin to the translational control of protein synthesis in skeletal muscle by leucine. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E1092-E1101.	3.5	170
6	Hindlimb casting decreases muscle mass in part by proteasome-dependent proteolysis but independent of protein synthesis. American Journal of Physiology - Endocrinology and Metabolism, 2005, 289, E969-E980.	3.5	166
7	Protein kinase B/Akt: a nexus of growth factor and cytokine signaling in determining muscle mass. Journal of Applied Physiology, 2007, 103, 378-387.	2.5	157
8	Orally Administered Leucine Enhances Protein Synthesis in Skeletal Muscle of Diabetic Rats in the Absence of Increases in 4E-BP1 or S6K1 Phosphorylation. Diabetes, 2002, 51, 928-936.	0.6	154
9	Transient Exposure of Human Myoblasts to Tumor Necrosis Factor-Î± Inhibits Serum and Insulin-Like Growth Factor-I Stimulated Protein Synthesis¹. Endocrinology, 1997, 138, 4153-4159.	2.8	131
10	Abandon the Mouse Research Ship? Not Just Yet!. Shock, 2014, 41, 463-475.	2.1	126
11	Acute Alcohol Infusion Suppresses Endotoxin-induced Serum Tumor Necrosis Factor. Alcoholism: Clinical and Experimental Research, 1989, 13, 295-298.	2.4	117
12	Control of skeletal muscle atrophy in response to disuse: clinical/preclinical contentions and fallacies of evidence. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E594-E604.	3.5	117
13	AMP-activated protein kinase agonists increase mRNA content of the muscle-specific ubiquitin ligases MAFbx and MuRF1 in C2C12 cells. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E1555-E1567.	3.5	112
14	Activation of p53 enhances apoptosis and insulin resistance in a rat model of alcoholic liver disease. Journal of Hepatology, 2011, 54, 164-172.	3.7	108
15	Muscle damage impairs insulin stimulation of IRS-1, PI 3-kinase, and Akt-kinase in human skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E206-E212.	3.5	106
16	Hormone, cytokine, and nutritional regulation of sepsis-induced increases in atrogin-1 and MuRF1 in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E501-E512.	3.5	106
17	Tumor necrosis factor increases in vivo glucose utilization of macrophage-rich tissues. Biochemical and Biophysical Research Communications, 1987, 149, 1-6.	2.1	102
18	Increased protein synthesis after acute IGF-I or insulin infusion is localized to muscle in mice. American Journal of Physiology - Endocrinology and Metabolism, 1998, 275, E118-E123.	3.5	100

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19	Insulin-mediated glucose uptake by individual tissues during sepsis. Metabolism: Clinical and Experimental, 1990, 39, 1096-1107.	3.4	99
20	Dysregulation of skeletal muscle protein metabolism by alcohol. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E699-E712.	3.5	98
21	Interdependence of Muscle Atrophy and Bone Loss Induced by Mechanical Unloading. Journal of Bone and Mineral Research, 2014, 29, 1118-1130.	2.8	97
22	Alcohol impairs leucine-mediated phosphorylation of 4E-BP1, S6K1, eIF4G, and mTOR in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E1205-E1215.	3.5	95
23	IGF-I/IGFBP-3 ameliorates alterations in protein synthesis, eIF4E availability, and myostatin in alcohol-fed rats. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E916-E926.	3.5	94
24	Wasting in the acquired immune deficiency syndrome is associated with multiple defects in the serum insulin-like growth factor system. Clinical Endocrinology, 1996, 44, 501-514.	2.4	92
25	Regulation of Myostatin by Glucocorticoids After Thermal Injury. FASEB Journal, 2001, 15, 1807-1809.	0.5	91
26	Leucine and Protein Metabolism in Obese Zucker Rats. PLoS ONE, 2013, 8, e59443.	2.5	91
27	mTor Signaling in Skeletal Muscle During Sepsis and Inflammation: Where Does It All Go Wrong?. Physiology, 2011, 26, 83-96.	3.1	90
28	Alcohol myopathy: impairment of protein synthesis and translation initiation. International Journal of Biochemistry and Cell Biology, 2001, 33, 457-473.	2.8	89
29	Molecular and Cellular Events in Alcoholâ€Induced Muscle Disease. Alcoholism: Clinical and Experimental Research, 2007, 31, 1953-1962.	2.4	89
30	Etiology of alcoholic cardiomyopathy: Mitochondria, oxidative stress and apoptosis. International Journal of Biochemistry and Cell Biology, 2017, 89, 125-135.	2.8	85
31	Inhibition of muscle protein synthesis by alcohol is associated with modulation of eIF2B and eIF4E. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E268-E276.	3.5	84
32	Endotoxin-induced decrease in muscle protein synthesis is associated with changes in eIF2B, eIF4E, and IGF-I. American Journal of Physiology - Endocrinology and Metabolism, 2000, 278, E1133-E1143.	3.5	82
33	Role of growth hormone, insulin-like growth factor-I, and insulin-like growth factor binding proteins in the catabolic response to injury and infection. Current Opinion in Clinical Nutrition and Metabolic Care, 2002, 5, 271-279.	2.5	82
34	Tumor Necrosis Factor-Î± Decreases Insulin-Like Growth Factor-I Messenger Ribonucleic Acid Expression in C2C12 Myoblasts via a Jun N-Terminal Kinase Pathway. Endocrinology, 2003, 144, 1770-1779.	2.8	82
35	Lipopolysaccharide and proinflammatory cytokines stimulate interleukin-6 expression in C2C12 myoblasts: role of the Jun NH₂-terminal kinase. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 285, R1153-R1164.	1.8	82
36	Molecular mechanisms responsible for alcohol-induced myopathy in skeletal muscle and heart. International Journal of Biochemistry and Cell Biology, 2005, 37, 2180-2195.	2.8	82

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37	Gram-Negative Infection Increases Noninsulin-Mediated Glucose Disposal*. Endocrinology, 1991, 128, 645-653.	2.8	80
38	Skeletal muscle cytokines: regulation by pathogen-associated molecules and catabolic hormones. Current Opinion in Clinical Nutrition and Metabolic Care, 2005, 8, 255-263.	2.5	80
39	Multiple Toll-like receptor ligands induce an IL-6 transcriptional response in skeletal myocytes. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R773-R784.	1.8	80
40	Acute in Vivo Elevation of Insulin-Like Growth Factor (IGF) Binding Protein-1 Decreases Plasma Free IGF-I and Muscle Protein Synthesis. Endocrinology, 2003, 144, 3922-3933.	2.8	79
41	Alcohol, Adipose Tissue and Lipid Dysregulation. Biomolecules, 2017, 7, 16.	4.0	79
42	Endotoxin disrupts the leucine-signaling pathway involving phosphorylation of mTOR, 4E-BP1, and S6K1 in skeletal muscle. Journal of Cellular Physiology, 2005, 203, 144-155.	4.1	78
43	Cytokine inhibition of JAK-STAT signaling: a new mechanism of growth hormone resistance. Pediatric Nephrology, 2005, 20, 306-312.	1.7	78
44	IL-6 Stimulation of Insulin-like Growth Factor Binding Protein (IGFBP)-1 Production. Biochemical and Biophysical Research Communications, 1996, 228, 611-615.	2.1	77
45	Mechanisms of Glucose Homeostasis After Roux-en-Y Gastric Bypass Surgery in the Obese, Insulin-Resistant Zucker Rat. Annals of Surgery, 2009, 249, 277-285.	4.2	77
46	Differential Effects of Insulin-Like Growth Factor I (IGF-I) and IGF-Binding Protein-1 on Protein Metabolism in Human Skeletal Muscle Cells1. Endocrinology, 1999, 140, 3962-3970.	2.8	76
47	Burn-induced increase in atrogin-1 and MuRF-1 in skeletal muscle is glucocorticoid independent but downregulated by IGF-I. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R328-R336.	1.8	75
48	Sepsis-induced suppression of skeletal muscle translation initiation mediated by tumor necrosis factor Î±. Metabolism: Clinical and Experimental, 2007, 56, 49-57.	3.4	75
49	Delayed Recovery of Skeletal Muscle Mass following Hindlimb Immobilization in mTOR Heterozygous Mice. PLoS ONE, 2012, 7, e38910.	2.5	73
50	Modulation of the Insulin-Like Growth Factor System by Chronic Alcohol Feeding. Alcoholism: Clinical and Experimental Research, 1998, 22, 823-829.	2.4	72
51	Impaired Protein Synthesis Induced by Acute Alcohol Intoxication Is Associated With Changes in eIF4E in Muscle and eIF2B in Liver. Alcoholism: Clinical and Experimental Research, 2000, 24, 322-331.	2.4	72
52	Tissueâ€specific effects ofin vivoadenosine receptor blockade on glucose uptake in Zucker rats. FASEB Journal, 1998, 12, 1301-1308.	0.5	71
53	Regulation of IGF-I mRNA and Signal Transducers and Activators of Transcription-3 and -5 (Stat-3 and) Tj ETQq1 1 0.784314 rgBT /Over	2.8	70
54	Impact of Alcohol on Glycemic Control and Insulin Action. Biomolecules, 2015, 5, 2223-2246.	4.0	70

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55	Hypertrophy of skeletal muscle in diabetic rats in response to chronic resistance exercise. Journal of Applied Physiology, 1999, 87, 1075-1082.	2.5	68
56	Alcohol Impairs Protein Synthesis and Degradation in Cultured Skeletal Muscle Cells. Alcoholism: Clinical and Experimental Research, 2001, 25, 1373-1382.	2.4	66
57	Atypical Antipsychotics Rapidly and Inappropriately Switch Peripheral Fuel Utilization to Lipids, Impairing Metabolic Flexibility in Rodents. Schizophrenia Bulletin, 2012, 38, 153-166.	4.3	66
58	Sepsis-induced increases in glucose uptake by macrophage-rich tissues persist during hypoglycemia. Metabolism: Clinical and Experimental, 1991, 40, 585-593.	3.4	65
59	Chronic Alcohol Accentuates Simian Acquired Immunodeficiency Syndromeâ€Associated Wasting. Alcoholism: Clinical and Experimental Research, 2008, 32, 138-147.	2.4	64
60	Carbohydrate dynamics in the hypermetabolic septic rat. Metabolism: Clinical and Experimental, 1984, 33, 959-963.	3.4	63
61	Chronic Alcohol Accentuates Nutritional, Metabolic, and Immune Alterations During Asymptomatic Simian Immunodeficiency Virus Infection. Alcoholism: Clinical and Experimental Research, 2006, 30, 2065-2078.	2.4	63
62	Alcohol-Induced Disruption of Endocrine Signaling. Alcoholism: Clinical and Experimental Research, 2007, 31, 1269-1285.	2.4	62
63	In vitro and In vivo inhibition of LPS-stimulated tumor necrosis factor-Î± secretion by the gallotannin Î²-d -pentagalloylglucose. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 1813-1815.	2.2	61
64	Mechanisms of Alcohol-Induced Tissue Injury. Alcoholism: Clinical and Experimental Research, 2003, 27, 563-575.	2.4	60
65	Acute alcohol intoxication increases atrogin-1 and MuRF1 mRNA without increasing proteolysis in skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1777-R1789.	1.8	60
66	Tumor necrosis factor mediates hepatic growth hormone resistance during sepsis. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E472-E481.	3.5	59
67	Molecular Pathology and Clinical Aspects of Alcohol-Induced Tissue Injury. Alcoholism: Clinical and Experimental Research, 2002, 26, 120-128.	2.4	59
68	Epinephrine stimulates IL-6 expression in skeletal muscle and C2C12 myoblasts: role of c-Jun NH2-terminal kinase and histone deacetylase activity. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E809-E817.	3.5	59
69	In vivo glucose utilization by individual tissues during nonlethal hypermetabolic sepsis. FASEB Journal, 1988, 2, 3083-3086.	0.5	58
70	Effects of chronic alcohol consumption on regulation of myocardial protein synthesis. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H1242-H1251.	3.2	57
71	IGF-I/IGFBP-3 binary complex modulates sepsis-induced inhibition of protein synthesis in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E1145-E1158.	3.5	56
72	MECHANISM OF IL-1 INDUCED INHIBITION OF PROTEIN SYNTHESIS IN SKELETAL MUSCLE. Shock, 1999, 11, 235-241.	2.1	54

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73	Regulation of IGF binding protein-1 in Hep G2 cells by cytokines and reactive oxygen species. American Journal of Physiology - Renal Physiology, 1999, 276, G719-G727.	3.4	52
74	Alcohol impairs insulin and IGF-I stimulation of S6K1 but not 4E-BP1 in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E917-E928.	3.5	52
75	Activation of AMP-Activated Protein Kinase by 5-Aminoimidazole-4-Carboxamide-1-Î²-D-Ribonucleoside Prevents Leucine-Stimulated Protein Synthesis in Rat Skeletal Muscle. Journal of Nutrition, 2008, 138, 1887-1894.	2.9	52
76	Lipopolysaccharide stimulates nitric oxide synthase-2 expression in murine skeletal muscle and C2C12myoblasts via Toll-like receptor-4 and c-Jun NH2-terminal kinase pathways. American Journal of Physiology - Cell Physiology, 2004, 287, C1605-C1615.	4.6	51
77	Sustained hypermetabolic sepsis in rats: Characterization of the model. Journal of Surgical Research, 1983, 35, 201-210.	1.6	50
78	ENDOTOXIN-INDUCED ALTERATIONS IN INSULIN-STIMULATED PHOSPHORYLATION OF INSULIN RECEPTOR, IRS-1, AND MAP KINASE IN SKELETAL MUSCLE. Shock, 1996, 6, 164-170.	2.1	49
79	Differential effect of sepsis on ability of leucine and IGF-I to stimulate muscle translation initiation. American Journal of Physiology - Endocrinology and Metabolism, 2004, 287, E721-E730.	3.5	49
80	Alcohol Intoxication Impairs Phosphorylation of S6K1 and S6 in Skeletal Muscle Independently of Ethanol Metabolism. Alcoholism: Clinical and Experimental Research, 2004, 28, 1758-1767.	2.4	49
81	Local insulin-like growth factor I prevents sepsis-induced muscle atrophy. Metabolism: Clinical and Experimental, 2009, 58, 787-797.	3.4	49
82	Alcohol and PRAS40 knockdown decrease mTOR activity and protein synthesis via AMPK signaling and changes in mTORC1 interaction. Journal of Cellular Biochemistry, 2010, 109, 1172-1184.	2.6	49
83	Skeletal muscle protein balance in mTOR heterozygous mice in response to inflammation and leucine. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E1283-E1294.	3.5	49
84	Nutrient-Induced Stimulation of Protein Synthesis in Mouse Skeletal Muscle Is Limited by the mTORC1 Repressor REDD1. Journal of Nutrition, 2015, 145, 708-713.	2.9	49
85	Insulin treatment normalizes reduced free insulinâ€like growth factorâ€I concentrations in diabetic children. Clinical Endocrinology, 1996, 45, 321-326.	2.4	48
86	Severe diabetes prohibits elevations in muscle protein synthesis after acute resistance exercise in rats. Journal of Applied Physiology, 2000, 88, 102-108.	2.5	48
87	Aging accentuates alcohol-induced decrease in protein synthesis in gastrocnemius. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R887-R898.	1.8	48
88	Tissue-specific regulation of IGF-I and IGF-binding proteins in response to TNFÎ±. Growth Hormone and IGF Research, 2001, 11, 250-260.	1.1	46
89	Effect of high-dose endotoxin on glucose production and utilization. Metabolism: Clinical and Experimental, 1993, 42, 1351-1358.	3.4	45
90	Alcohol Regulates Eukaryotic Elongation Factor 2 Phosphorylation via an AMP-activated Protein Kinase-dependent Mechanism in C2C12 Skeletal Myocytes. Journal of Biological Chemistry, 2007, 282, 3702-3712.	3.4	45

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91	Alcohol impairs skeletal muscle protein synthesis and mTOR signaling in a time-dependent manner following electrically stimulated muscle contraction. Journal of Applied Physiology, 2014, 117, 1170-1179.	2.5	45
92	Hypertriglyceridemia and its relation to tissue lipoprotein lipase activity in endotoxemic, Escherichia coli bacteremic, and polymicrobial septic rats. Journal of Surgical Research, 1984, 37, 394-401.	1.6	42
93	Acute response of IGF-I and IGF binding proteins induced by thermal injury. American Journal of Physiology - Endocrinology and Metabolism, 2000, 278, E1087-E1096.	3.5	42
94	Hepatic growth hormone resistance during sepsis is associated with increased suppressors of cytokine signaling expression and impaired growth hormone signaling. Critical Care Medicine, 2006, 34, 1420-1427.	0.9	42
95	Deptor Knockdown Enhances mTOR Activity and Protein Synthesis in Myocytes and Ameliorates Disuse Muscle Atrophy. Molecular Medicine, 2011, 17, 925-936.	4.4	42
96	Sepsis and AMPK Activation by AICAR Differentially Regulate FoxO-1, -3 and -4 mRNA in Striated Muscle. International Journal of Clinical and Experimental Medicine, 2008, 1, 50-63.	1.3	42
97	Stimulation of Insulin-Like Growth Factor Binding Protein-1 Synthesis by Interleukin-1Î²: Requirement of the Mitogen-Activated Protein Kinase Pathway1. Endocrinology, 2000, 141, 3156-3164.	2.8	41
98	Burn-induced changes in IGF-I and IGF-binding proteins are partially glucocorticoid dependent. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 282, R207-R215.	1.8	41
99	CYTOKINE-TRIGGERED DECREASES IN LEVELS OF PHOSPHORYLATED EUKARYOTIC INITIATION FACTOR 4G IN SKELETAL MUSCLE DURING SEPSIS. Shock, 2006, 26, 631-636.	2.1	41
100	Alcohol-induced decrease in muscle protein synthesis associated with increased binding of mTOR and raptor: Comparable effects in young and mature rats. Nutrition and Metabolism, 2009, 6, 4.	3.0	41
101	Sepsis-Induced Alterations in Protein-Protein Interactions Within mTOR Complex 1 and the Modulating Effect of Leucine on Muscle Protein Synthesis. Shock, 2011, 35, 117-125.	2.1	41
102	Simulated space radiation sensitizes bone but not muscle to the catabolic effects of mechanical unloading. PLoS ONE, 2017, 12, e0182403.	2.5	41
103	Glucose kinetics and development of endotoxin tolerance during long-term continuous endotoxin infusion. Metabolism: Clinical and Experimental, 1987, 36, 469-474.	3.4	39
104	Emerging role for regulated in development and DNA damage 1 (REDD1) in the regulation of skeletal muscle metabolism. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E157-E174.	3.5	39
105	Early Organ-Specific Hemorrhage-Induced Increases in Tissue Cytokine Content: Associated Neurohormonal and Opioid Alterations. NeuroImmunoModulation, 1997, 4, 28-36.	1.8	38
106	Glucocorticoids and TNFÎ± Interact Cooperatively to Mediate Sepsis-Induced Leucine Resistance in Skeletal Muscle. Molecular Medicine, 2006, 12, 291-299.	4.4	38
107	PRAS40 Regulates Protein Synthesis and Cell Cycle in C2C12 Myoblasts. Molecular Medicine, 2010, 16, 359-371.	4.4	38
108	Reduced REDD1 expression contributes to activation of mTORC1 following electrically induced muscle contraction. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E703-E711.	3.5	38

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109	Interleukin-1 induced increases in glucose utilization are insulin mediated. Life Sciences, 1989, 45, 2127-2134.	4.3	37
110	Chronic alcohol feeding impairs hepatic translation initiation by modulating eIF2 and eIF4E. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E805-E814.	3.5	37
111	Sepsis and inflammatory insults downregulate IGFBP-5, but not IGFBP-4, in skeletal muscle via a TNF-dependent mechanism. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R963-R972.	1.8	37
112	Acute Alcohol Intoxication Increases REDD1 in Skeletal Muscle. Alcoholism: Clinical and Experimental Research, 2008, 32, 796-805.	2.4	37
113	ENDOTOXIN AND INTERFERON-Î³ INHIBIT TRANSLATION IN SKELETAL MUSCLE CELLS BY STIMULATING NITRIC OXIDE SYNTHASE ACTIVITY. Shock, 2009, 32, 416-426.	2.1	37
114	Hormonal Regulation of Protein Metabolism in Relation to Nutrition and Disease. Journal of Nutrition, 1998, 128, 356S-359S.	2.9	36
115	Impaired myocardial protein synthesis induced by acute alcohol intoxication is associated with changes in eIF4F. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E1029-E1038.	3.5	36
116	Restoration of Protein Synthesis in Heart and Skeletal Muscle After Withdrawal of Alcohol. Alcoholism: Clinical and Experimental Research, 2004, 28, 517-525.	2.4	36
117	Assessing Effects of Alcohol Consumption on Protein Synthesis in Striated Muscles. Methods in Molecular Biology, 2008, 447, 343-355.	0.9	36
118	Effect of short-term fasting on free/dissociable insulin-like growth factor I concentrations in normal human serum. Journal of Clinical Endocrinology and Metabolism, 1996, 81, 4379-4384.	3.6	36
119	Elevated plasma free fatty acids decrease basal protein synthesis, but not the anabolic effect of leucine, in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E666-E674.	3.5	35
120	Proteolysis of insulin-like growth factor-binding protein-3 in human immunodeficiency virus-positive children who fail to thrive. Journal of Clinical Endocrinology and Metabolism, 1996, 81, 2957-2962.	3.6	35
121	MODULATION OF INFLAMMATION-INDUCED CHANGES IN INSULIN-LIKE GROWTH FACTOR (IGF)-I AND IGF BINDING PROTEIN-1 BY ANTI-TNF ANTIBODY. Shock, 1995, 4, 21-26.	2.1	34
122	Castration differentially alters basal and leucine-stimulated tissue protein synthesis in skeletal muscle and adipose tissue. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E1222-E1232.	3.5	34
123	Regulation of REDD1 by insulinâ€like growth factorâ€I in skeletal muscle and myotubes. Journal of Cellular Biochemistry, 2009, 108, 1192-1202.	2.6	34
124	Mechanisms Underlying Muscle Protein Imbalance Induced by Alcohol. Annual Review of Nutrition, 2018, 38, 197-217.	10.1	34
125	Effect of Granulocyte Colony-Stimulating Factor on Sepsis-Induced Changes in Neutrophil Accumulation and Organ Glucose Uptake. Journal of Infectious Diseases, 1992, 166, 336-343.	4.0	33
126	Rag GTPases and AMPK/TSC2/Rheb mediate the differential regulation of mTORC1 signaling in response to alcohol and leucine. American Journal of Physiology - Cell Physiology, 2012, 302, C1557-C1565.	4.6	33

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127	Sepsis-induced changes in amino acid transporters and leucine signaling via mTOR in skeletal muscle. Amino Acids, 2014, 46, 2787-2798.	2.7	33
128	Growth factors in critical illness: regulation and therapeutic aspects. Current Opinion in Clinical Nutrition and Metabolic Care, 1998, 1, 195-204.	2.5	33
129	Sepsis-induced muscle growth hormone resistance occurs independently of STAT5 phosphorylation. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E63-E72.	3.5	32
130	Skeletal muscle protein synthesis and degradation exhibit sexual dimorphism after chronic alcohol consumption but not acute intoxication. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E1497-E1506.	3.5	32
131	BCATm deficiency ameliorates endotoxin-induced decrease in muscle protein synthesis and improves survival in septic mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R935-R944.	1.8	31
132	Alcohol and Indinavir Adversely Affect Protein Synthesis and Phosphorylation of MAPK and mTOR Signaling Pathways in C2C12 Myocytes. Alcoholism: Clinical and Experimental Research, 2006, 30, 1297-1307.	2.4	30
133	Inhibition of Glycogen Synthase Kinase 3Î² Activity with Lithium In Vitro Attenuates Sepsis-Induced Changes in Muscle Protein Turnover. Shock, 2011, 35, 266-274.	2.1	30
134	Chronic alcohol consumption disrupts myocardial protein balance and function in aged, but not adult, female F344 rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 306, R23-R33.	1.8	30
135	Pyruvate dehydrogenase inactivity is not responsible for sepsis-induced insulin resistance. Critical Care Medicine, 1996, 24, 566-574.	0.9	30
136	Regulation of the insulin-like growth factor system by insulin in burn patients. Journal of Clinical Endocrinology and Metabolism, 1996, 81, 2474-2480.	3.6	30
137	Rates and Tissue Sites of Noninsulin- and Insulin-Mediated Glucose Uptake in Diabetic Rats. Experimental Biology and Medicine, 1992, 199, 81-87.	2.4	29
138	TNF? mediates sepsis-induced impairment of basal and leucine-stimulated signaling via S6K1 and eIF4E in cardiac muscle. Journal of Cellular Biochemistry, 2005, 94, 419-431.	2.6	29
139	Differential regulation of glucose transporter gene expression in adipose tissue of septic rats. Biochemical and Biophysical Research Communications, 1992, 183, 417-422.	2.1	28
140	Alcohol Accelerates Loss of Muscle and Impairs Recovery of Muscle Mass Resulting From Disuse Atrophy. Alcoholism: Clinical and Experimental Research, 2008, 32, 128-137.	2.4	28
141	Temporal Differences in the Ability of Ethanol to Modulate Endotoxin-Induced Increases in Inflammatory Cytokines in Muscle Under In Vivo Conditions. Alcoholism: Clinical and Experimental Research, 2005, 29, 1247-1256.	2.4	27
142	Multifaceted Role of Insulin-Like Growth Factors and Mammalian Target of Rapamycin in Skeletal Muscle. Endocrinology and Metabolism Clinics of North America, 2012, 41, 297-322.	3.2	27
143	Moderate alcohol consumption does not impair overload-induced muscle hypertrophy and protein synthesis. Physiological Reports, 2015, 3, e12333.	1.7	27
144	Epinephrine-induced increase in glucose turnover is diminished during sepsis. Metabolism: Clinical and Experimental, 1989, 38, 1070-1076.	3.4	26

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145	Central NMDA enhances hepatic glucose output and non-insulin-mediated glucose uptake by a nonadrenergic mechanism. Brain Research, 1994, 634, 41-48.	2.2	26
146	Differential control of glucoregulatory hormone response and glucose metabolism by NMDA and kainate. Brain Research, 1994, 634, 131-140.	2.2	26
147	Chronic Alcohol Ingestion in Rats Alters Lung Metabolism, Promotes Lipid Accumulation, and Impairs Alveolar Macrophage Functions. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 840-849.	2.9	26
148	Differential Effects of Insulin-Like Growth Factor I (IGF-I) and IGF-Binding Protein-1 on Protein Metabolism in Human Skeletal Muscle Cells. Endocrinology, 1999, 140, 3962-3970.	2.8	26
149	Regulation of the acid-labile subunit of the insulin-like growth factor ternary complex in patients with insulin-dependent diabetes mellitus and severe burns. Clinical Endocrinology, 1996, 44, 525-532.	2.4	25
150	Alcohol Differentially Alters Extracellular Matrix and Adhesion Molecule Expression in Skeletal Muscle and Heart. Alcoholism: Clinical and Experimental Research, 2015, 39, 1330-1340.	2.4	25
151	Physiological processes underlying organ injury in alcohol abuse. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E605-E619.	3.5	24
152	Acute Alcohol-Induced Decrease in Muscle Protein Synthesis in Female Mice Is REDD-1 and mTOR-Independent. Alcohol and Alcoholism, 2016, 51, 242-250.	1.6	24
153	Alcohol-Induced Increases in Insulin-Like Growth Factor Binding Protein-1 Are Partially Mediated by TNF. Alcoholism: Clinical and Experimental Research, 2002, 26, 1574-1583.	2.4	23
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