

Teresa A Davis

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

156
papers

4,531
citations

42
h-index

63
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168
ext. papers

5,075
ext. citations

3.1
avg, IF

5.87
L-index

#	Paper	IF	Citations
156	Regulation of muscle growth in neonates. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2009 , 12, 78-85	3.8	174
155	Amino acid composition of human milk is not unique. <i>Journal of Nutrition</i> , 1994 , 124, 1126-32	4.1	171
154	Stimulation of protein synthesis by both insulin and amino acids is unique to skeletal muscle in neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002 , 282, E880-90	6	136
153	Physiological rise in plasma leucine stimulates muscle protein synthesis in neonatal pigs by enhancing translation initiation factor activation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005 , 288, E914-21	6	112
152	Regulation of cardiac and skeletal muscle protein synthesis by individual branched-chain amino acids in neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 290, E612-21	6	111
151	Nutrient-independent and nutrient-dependent factors stimulate protein synthesis in colostrum-fed newborn pigs. <i>Pediatric Research</i> , 1995 , 37, 593-9	3.2	109
150	Leucine stimulates protein synthesis in skeletal muscle of neonatal pigs by enhancing mTORC1 activation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 295, E868-75	6	106
149	Insulin and amino acids independently stimulate skeletal muscle protein synthesis in neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003 , 284, E110-9	6	101
148	Regulation of translation initiation by insulin and amino acids in skeletal muscle of neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003 , 285, E40-53	6	96
147	Oral N-carbamylglutamate supplementation increases protein synthesis in skeletal muscle of piglets. <i>Journal of Nutrition</i> , 2007 , 137, 315-9	4.1	91
146	Feeding stimulates protein synthesis in muscle and liver of neonatal pigs through an mTOR-dependent process. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000 , 279, E1080-7	6	90
145	Porcine colostrum and milk stimulate visceral organ and skeletal muscle protein synthesis in neonatal piglets. <i>Journal of Nutrition</i> , 1992 , 122, 1205-13	4.1	87
144	Leucine supplementation of a low-protein meal increases skeletal muscle and visceral tissue protein synthesis in neonatal pigs by stimulating mTOR-dependent translation initiation. <i>Journal of Nutrition</i> , 2010 , 140, 2145-52	4.1	85
143	Differential regulation of protein synthesis by amino acids and insulin in peripheral and visceral tissues of neonatal pigs. <i>Amino Acids</i> , 2009 , 37, 97-104	3.5	81
142	Regulation of protein synthesis by amino acids in muscle of neonates. <i>Frontiers in Bioscience - Landmark</i> , 2011 , 16, 1445-60	2.8	79
141	Continuous Feeding Does Not Blunt Skeletal Muscle Protein Synthesis and Lean Growth Compared to Intermittent Bolus Feeding in the Preterm Piglet (OR26-06-19). <i>Current Developments in Nutrition</i> , 2019 , 3,	0.4	78
140	Continuous Feeding Does Not Blunt Satellite Cell Abundance, Myonuclear Accretion, or Lean Growth in a Neonatal Piglet Model of Prematurity. <i>Current Developments in Nutrition</i> , 2020 , 4, 696-696	0.4	78

139	Prematurity Alters the Feeding-Induced Activation of Signaling Components Towards AKT in Skeletal Muscle of Neonatal Piglets. <i>Current Developments in Nutrition</i> , 2020 , 4, 701-701	0.4	78
138	Regulation of Akt Signaling in Skeletal Muscle Is Altered by Prematurity in a Neonatal Piglet Model. <i>Current Developments in Nutrition</i> , 2021 , 5, 544-544	0.4	78
137	356 Meal feeding compared with continuous feeding enhances insulin and amino acid signaling to translation initiation in skeletal muscle of pigs. <i>Journal of Animal Science</i> , 2019 , 97, 127-128	0.7	78
136	Intermittent Bolus Compared with Continuous Feeding Enhances Insulin and Amino Acid Signaling to Translation Initiation in Skeletal Muscle of Pigs Born at Term (P08-071-19). <i>Current Developments in Nutrition</i> , 2019 , 3,	0.4	78
135	26 Do we need a Plan B for Plan S?. <i>Journal of Animal Science</i> , 2019 , 97, 23-24	0.7	78
134	Developmental changes in the feeding-induced stimulation of translation initiation in muscle of neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000 , 279, E1226-34	6	77
133	Amino acid compositions of body and milk protein change during the suckling period in rats. <i>Journal of Nutrition</i> , 1993 , 123, 947-56	4.1	76
132	Roles of insulin and amino acids in the regulation of protein synthesis in the neonate. <i>Journal of Nutrition</i> , 1998 , 128, 347S-350S	4.1	72
131	Leucine is a major regulator of muscle protein synthesis in neonates. <i>Amino Acids</i> , 2015 , 47, 259-70	3.5	63
130	Differential effects of insulin on peripheral and visceral tissue protein synthesis in neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001 , 280, E770-9	6	63
129	Leucine and alpha-ketoisocaproic acid, but not norleucine, stimulate skeletal muscle protein synthesis in neonatal pigs. <i>Journal of Nutrition</i> , 2010 , 140, 1418-24	4.1	61
128	Stimulation of muscle protein synthesis by prolonged parenteral infusion of leucine is dependent on amino acid availability in neonatal pigs. <i>Journal of Nutrition</i> , 2010 , 140, 264-70	4.1	60
127	Spectrophometric assay for measuring branched-chain amino acid concentrations: application for measuring the sensitivity of protein metabolism to insulin. <i>Analytical Biochemistry</i> , 1996 , 240, 48-53	3.1	59
126	Amino acid availability and age affect the leucine stimulation of protein synthesis and eIF4F formation in muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E1615-21 ⁶		58
125	Aminoacyl-tRNA and tissue free amino acid pools are equilibrated after a flooding dose of phenylalanine. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999 , 277, E103-9	6	58
124	Amino acid composition of the milk of some mammalian species changes with stage of lactation. <i>British Journal of Nutrition</i> , 1994 , 72, 845-53	3.6	58
123	Response of skeletal muscle protein synthesis to insulin in suckling pigs decreases with development. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998 , 275, E602-9	6	56
122	Activation by insulin and amino acids of signaling components leading to translation initiation in skeletal muscle of neonatal pigs is developmentally regulated. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E1597-605	6	51

121	Developmental changes in the feeding-induced activation of the insulin-signaling pathway in neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001 , 281, E908-15	6	50
120	Chronic parenteral nutrition induces hepatic inflammation, steatosis, and insulin resistance in neonatal pigs. <i>Journal of Nutrition</i> , 2010 , 140, 2193-200	4.1	47
119	Enteral leucine supplementation increases protein synthesis in skeletal and cardiac muscles and visceral tissues of neonatal pigs through mTORC1-dependent pathways. <i>Pediatric Research</i> , 2012 , 71, 324-31	3.2	45
118	Endotoxemia reduces skeletal muscle protein synthesis in neonates. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002 , 283, E909-16	6	45
117	Intermittent bolus feeding has a greater stimulatory effect on protein synthesis in skeletal muscle than continuous feeding in neonatal pigs. <i>Journal of Nutrition</i> , 2011 , 141, 2152-8	4.1	44
116	Endotoxin induces differential regulation of mTOR-dependent signaling in skeletal muscle and liver of neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003 , 285, E637-44	6	44
115	Developmental decline in components of signal transduction pathways regulating protein synthesis in pig muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002 , 282, E585-92	6	43
114	Anabolic signaling and protein deposition are enhanced by intermittent compared with continuous feeding in skeletal muscle of neonates. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 302, E674-86	6	42
113	Developmental regulation of the activation of signaling components leading to translation initiation in skeletal muscle of neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 291, E849-59	6	42
112	Expression of the TGF-beta family of ligands is developmentally regulated in skeletal muscle of neonatal rats. <i>Pediatric Research</i> , 2006 , 59, 175-9	3.2	38
111	Critical Windows for the Programming Effects of Early-Life Nutrition on Skeletal Muscle Mass. <i>Nestle Nutrition Institute Workshop Series</i> , 2018 , 89, 25-35	1.9	37
110	Feeding rapidly stimulates protein synthesis in skeletal muscle of neonatal pigs by enhancing translation initiation. <i>Journal of Nutrition</i> , 2009 , 139, 1873-80	4.1	37
109	Protein nutrition of the neonate. <i>Proceedings of the Nutrition Society</i> , 2000 , 59, 87-97	2.9	37
108	Stage of development and fasting affect protein synthetic activity in the gastrointestinal tissues of suckling rats. <i>Journal of Nutrition</i> , 1991 , 121, 1099-108	4.1	37
107	Leucine pulses enhance skeletal muscle protein synthesis during continuous feeding in neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 305, E620-31	6	34
106	Abundance of amino acid transporters involved in mTORC1 activation in skeletal muscle of neonatal pigs is developmentally regulated. <i>Amino Acids</i> , 2013 , 45, 523-30	3.5	33
105	Protein synthesis in skeletal muscle of neonatal pigs is enhanced by administration of β -hydroxy- β -methylbutyrate. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 306, E91-9	6	33
104	Regulation of neonatal liver protein synthesis by insulin and amino acids in pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004 , 286, E994-E1003	6	32

103	Amino acids do not alter the insulin-induced activation of the insulin signaling pathway in neonatal pigs. <i>Journal of Nutrition</i> , 2004 , 134, 24-30	4.1	32
102	Leucine oxidation changes rapidly after dietary protein intake is altered in adult women but lysine flux is unchanged as is lysine incorporation into VLDL-apolipoprotein B-100. <i>Journal of Nutrition</i> , 1994 , 124, 41-51	4.1	32
101	Dietary protein and lactose increase translation initiation factor activation and tissue protein synthesis in neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 290, E225-33	6	29
100	Importance of Animals in Agricultural Sustainability and Food Security. <i>Journal of Nutrition</i> , 2015 , 145, 1377-9	4.1	28
99	Regulation of protein degradation pathways by amino acids and insulin in skeletal muscle of neonatal pigs. <i>Journal of Animal Science and Biotechnology</i> , 2014 , 5, 8	6	28
98	Differential effects of long-term leucine infusion on tissue protein synthesis in neonatal pigs. <i>Amino Acids</i> , 2011 , 40, 157-65	3.5	28
97	Acute IGF-I infusion stimulates protein synthesis in skeletal muscle and other tissues of neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002 , 283, E638-47	6	28
96	Protein synthesis and translation initiation factor activation in neonatal pigs fed increasing levels of dietary protein. <i>Journal of Nutrition</i> , 2005 , 135, 1374-81	4.1	28
95	Impact of prolonged leucine supplementation on protein synthesis and lean growth in neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 309, E601-10	6	26
94	The abundance and activation of mTORC1 regulators in skeletal muscle of neonatal pigs are modulated by insulin, amino acids, and age. <i>Journal of Applied Physiology</i> , 2010 , 109, 1448-54	3.7	26
93	Development aggravates the severity of skeletal muscle catabolism induced by endotoxemia in neonatal pigs. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012 , 302, R682-90	3.2	25
92	Nonnutritive factors in colostrum enhance myofibrillar protein synthesis in the newborn Pig. <i>Pediatric Research</i> , 2000 , 48, 511-7	3.2	25
91	Differential regulation of protein synthesis in skeletal muscle and liver of neonatal pigs by leucine through an mTORC1-dependent pathway. <i>Journal of Animal Science and Biotechnology</i> , 2012 , 3,	6	24
90	Amino acids augment muscle protein synthesis in neonatal pigs during acute endotoxemia by stimulating mTOR-dependent translation initiation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E1416-25	6	24
89	Regulation of muscle protein synthesis in neonatal pigs during prolonged endotoxemia. <i>Pediatric Research</i> , 2004 , 55, 442-9	3.2	24
88	Regulation of myofibrillar protein turnover during maturation in normal and undernourished rat pups. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000 , 278, R843-54	3.2	24
87	Leucine supplementation stimulates protein synthesis and reduces degradation signal activation in muscle of newborn pigs during acute endotoxemia. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 311, E791-E801	6	23
86	Ribosome abundance regulates the recovery of skeletal muscle protein mass upon recuperation from postnatal undernutrition in mice. <i>Journal of Physiology</i> , 2014 , 592, 5269-86	3.9	23

85	Modulation of muscle protein synthesis by insulin is maintained during neonatal endotoxemia. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 291, E159-66	6	21
84	Bolus vs. continuous feeding to optimize anabolism in neonates. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2015 , 18, 102-8	3.8	20
83	Enteral D-hydroxy-D-methylbutyrate supplementation increases protein synthesis in skeletal muscle of neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E1072-84	6	20
82	Differential regulation of protein synthesis and mTOR signaling in skeletal muscle and visceral tissues of neonatal pigs after a meal. <i>Pediatric Research</i> , 2011 , 70, 253-60	3.2	19
81	Dexamethasone inhibits small intestinal growth via increased protein catabolism in neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999 , 276, E269-77	6	19
80	Leucine supplementation of a chronically restricted protein and energy diet enhances mTOR pathway activation but not muscle protein synthesis in neonatal pigs. <i>Amino Acids</i> , 2016 , 48, 257-267	3.5	18
79	Insulin stimulates muscle protein synthesis in neonates during endotoxemia despite repression of translation initiation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 292, E629-36	6	18
78	Viscera and muscle protein synthesis in neonatal pigs is increased more by intermittent bolus than by continuous feeding. <i>Pediatric Research</i> , 2013 , 74, 154-62	3.2	14
77	Both maternal over- and undernutrition during gestation increase the adiposity of young adult progeny in rats. <i>Obesity</i> , 1995 , 3, 131-41		14
76	Insulin signaling in skeletal muscle and liver of neonatal pigs during endotoxemia. <i>Pediatric Research</i> , 2008 , 64, 505-10	3.2	13
75	Regulation of Muscle Growth in Early Postnatal Life in a Swine Model. <i>Annual Review of Animal Biosciences</i> , 2019 , 7, 309-335	13.7	13
74	Amino Acid- and Insulin-Induced Activation of mTORC1 in Neonatal Piglet Skeletal Muscle Involves Sestn2-GATOR2, Rag A/C-mTOR, and RHEB-mTOR Complex Formation. <i>Journal of Nutrition</i> , 2018 , 148, 825-833	4.1	13
73	Whole-body and hindlimb protein breakdown are differentially altered by feeding in neonatal piglets. <i>Journal of Nutrition</i> , 2005 , 135, 1430-7	4.1	12
72	Sepsis and development impede muscle protein synthesis in neonatal pigs by different ribosomal mechanisms. <i>Pediatric Research</i> , 2011 , 69, 473-8	3.2	11
71	Intermittent bolus feeding promotes greater lean growth than continuous feeding in a neonatal piglet model. <i>American Journal of Clinical Nutrition</i> , 2018 , 108, 830-841	7	11
70	Differential regulation of mTORC1 activation by leucine and D-hydroxy-D-methylbutyrate in skeletal muscle of neonatal pigs. <i>Journal of Applied Physiology</i> , 2020 , 128, 286-295	3.7	10
69	Short- and long-term effects of leucine and branched-chain amino acid supplementation of a protein- and energy-reduced diet on muscle protein metabolism in neonatal pigs. <i>Amino Acids</i> , 2018 , 50, 943-959	3.5	10
68	The roles of nutrition, development and hormone sensitivity in the regulation of protein metabolism: an overview. <i>Journal of Nutrition</i> , 1998 , 128, 340S-341S	4.1	10

67	Pulsatile delivery of a leucine supplement during long-term continuous enteral feeding enhances lean growth in term neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E699-E713	6	10
66	Intermittent leucine pulses during continuous feeding alters novel components involved in skeletal muscle growth of neonatal pigs. <i>Amino Acids</i> , 2020 , 52, 1319-1335	3.5	9
65	Prematurity blunts the feeding-induced stimulation of translation initiation signaling and protein synthesis in muscle of neonatal piglets. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 317, E839-E851	6	8
64	Amino acids, independent of insulin, attenuate skeletal muscle autophagy in neonatal pigs during endotoxemia. <i>Pediatric Research</i> , 2016 , 80, 448-51	3.2	7
63	A Proposed Framework for Identifying Nutrients and Food Components of Public Health Relevance in the Dietary Guidelines for Americans. <i>Journal of Nutrition</i> , 2021 , 151, 1197-1204	4.1	6
62	A guide for authors and readers of the American Society for Nutrition Journals on the proper use of P values and strategies that promote transparency and improve research reproducibility. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 1280-1285	7	5
61	Insulin and Amino Acids Are Critical Regulators of Neonatal Muscle Growth. <i>Nutrition Today</i> , 2008 , 43, 143-149	1.6	4
60	Insulin modulates energy and substrate sensing and protein catabolism induced by chronic peritonitis in skeletal muscle of neonatal pigs. <i>Pediatric Research</i> , 2016 , 80, 744-752	3.2	4
59	Peter J. Reeds (February 22, 1945-August 13, 2002). <i>Journal of Nutrition</i> , 2003 , 133, 5-8	4.1	3
58	Postnatal Muscle Growth Is Dependent on Satellite Cell Proliferation Which Demonstrates A Specific Requirement for Dietary Protein. <i>FASEB Journal</i> , 2016 , 30, 1244.1	0.9	3
57	Breastfeeding and risk of overweight in childhood and beyond: a systematic review with emphasis on sibling-pair and intervention studies. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 1774-1790	7	3
56	Oral N-carbamylglutamate (NCG) supplementation increases growth rate in sow-reared piglets. <i>FASEB Journal</i> , 2006 , 20, A425	0.9	2
55	Intermittent Bolus Feeding Enhances Organ Growth More Than Continuous Feeding in a Neonatal Piglet Model. <i>Current Developments in Nutrition</i> , 2020 , 4, nzaa170	0.4	2
54	Long-chain n-3 fatty acids [New anabolic compounds improving protein metabolism. <i>FASEB Journal</i> , 2009 , 23, LB107	0.9	2
53	Prematurity blunts the insulin- and amino acid-induced stimulation of translation initiation and protein synthesis in skeletal muscle of neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 320, E551-E565	6	2
52	Development of Food Pattern Recommendations for Infants and Toddlers 6-24 Months of Age to Support the Dietary Guidelines for Americans, 2020-2025. <i>Journal of Nutrition</i> , 2021 , 151, 3113-3124	4.1	2
51	Leucine Supplementation Does Not Restore Diminished Skeletal Muscle Satellite Cell Abundance and Myonuclear Accretion When Protein Intake Is Limiting in Neonatal Pigs. <i>Journal of Nutrition</i> , 2020 , 150, 22-30	4.1	2
50	Effect of the leucine analogs, β -ketoisocaproic acid (KIC) and norleucine, on muscle protein synthesis and translation initiation factor activation in neonatal pigs. <i>FASEB Journal</i> , 2006 , 20, A162	0.9	1

49	Insulin accelerates global and mitochondrial protein synthesis rates in neonatal muscle during sepsis. <i>FASEB Journal</i> , 2009 , 23, 33.2	0.9	1
48	SNAT2 and LAT1 transporter abundance is developmentally regulated in skeletal muscle of neonatal pigs. <i>FASEB Journal</i> , 2010 , 24, 331.4	0.9	1
47	Lean Growth Is Enhanced by Intermittent Bolus Compared with Continuous Feeding in Neonates. <i>FASEB Journal</i> , 2012 , 26, 42.3	0.9	1
46	Distinct Role of Rheb and Grb10 in the Regulation of mTORC1 Signaling in Skeletal Muscle of Neonatal Pigs. <i>FASEB Journal</i> , 2013 , 27, 1084.4	0.9	1
45	Intermittent Leucine Pulses Enhance Skeletal Muscle mTOR Signaling and Protein Synthesis in Continuously Fed Preterm Pigs. <i>Current Developments in Nutrition</i> , 2021 , 5, 543-543	0.4	1
44	Intermittent Bolus Compared With Continuous Feeding Enhances Insulin and Amino Acid Signaling to Translation Initiation in Skeletal Muscle of Neonatal Pigs. <i>Journal of Nutrition</i> , 2021 , 151, 2636-2645	4.1	1
43	Intermittent bolus feeding does not enhance protein synthesis, myonuclear accretion, or lean growth more than continuous feeding in a premature piglet model. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 321, E737-E752	6	0
42	Reply to Verhoef et al.. <i>American Journal of Clinical Nutrition</i> , 2022 , 115, 598-600	7	
41	Amino Acids Augment Muscle Protein Synthesis in Neonatal Pigs During Endotoxemia by Modulating Translation Initiation. <i>FASEB Journal</i> , 2006 , 20, A9	0.9	
40	Developmental regulation of the activation of signaling components leading to translation initiation in skeletal muscle of neonatal pigs. <i>FASEB Journal</i> , 2006 , 20, A425	0.9	
39	Leucine stimulation of skeletal muscle protein synthesis during prolonged leucine infusion is dependent on amino acid availability. <i>FASEB Journal</i> , 2006 , 20, A162	0.9	
38	Stimulation of Muscle Protein Synthesis by Glucose in Neonates Is AMP Kinase Independent. <i>FASEB Journal</i> , 2006 , 20, A1046	0.9	
37	Acute IGF-I infusion stimulates whole body protein synthesis but does not reduce proteolysis in neonates. <i>FASEB Journal</i> , 2007 , 21, A1119	0.9	
36	The activation of insulin signaling components leading to mRNA translation in skeletal muscle of neonatal pigs is developmentally regulated. <i>FASEB Journal</i> , 2007 , 21, A1119	0.9	
35	The activation of nutrient signaling components leading to mRNA translation in skeletal muscle of neonatal pigs is developmentally regulated. <i>FASEB Journal</i> , 2007 , 21, A714	0.9	
34	Insulin and amino acids stimulate whole body protein synthesis in neonates. <i>FASEB Journal</i> , 2007 , 21, A334	0.9	
33	Stimulation of whole body protein synthesis by insulin in neonates is dependent on the pattern of amino acids available. <i>FASEB Journal</i> , 2007 , 21, A162	0.9	
32	Endotoxin Reduces Muscle Protein Synthesis and Restrains Translation Initiation by Decreasing eIF4G Phosphorylation in Neonatal and Young Pigs. <i>FASEB Journal</i> , 2008 , 22, 869.13	0.9	

31	Somatotropin Enhanced Muscle Protein Synthesis in Growing Pigs Is Not Modulated by Insulin. <i>FASEB Journal</i> , 2008 , 22, 1114.2	0.9
30	Rapamycin blocks leucine-induced protein synthesis by suppressing mTORC1 activation in skeletal muscle of neonatal pigs. <i>FASEB Journal</i> , 2008 , 22, 306.5	0.9
29	Regulation of the protein degradation pathways by amino acids and insulin in skeletal muscle of neonatal pigs (137.1). <i>FASEB Journal</i> , 2014 , 28, 137.1	0.9
28	Leucine Antagonizes Protein Degradation Induced by Endotoxin in Skeletal Muscle of Neonatal Pigs. <i>FASEB Journal</i> , 2015 , 29, 755.3	0.9
27	Leucine Attenuates the Endotoxin-induced Reduction in Skeletal Muscle Protein Synthesis in Neonatal Pigs. <i>FASEB Journal</i> , 2015 , 29, 742.1	0.9
26	Long-term Intermittent Leucine Pulses during Continuous Feeding Impact the Plasma Metabolome of Neonatal Pigs. <i>FASEB Journal</i> , 2016 , 30, 908.5	0.9
25	Long-term Leucine and BCAA Inclusion in a 30% Protein and Energy Restricted Diet Increases mTORC1 Signaling in Skeletal Muscle of Neonatal Pigs. <i>FASEB Journal</i> , 2016 , 30, 124.3	0.9
24	Leucine ameliorates endotoxin-induced alterations in protein-protein interactions within mTORC1 complex in neonatal piglets. <i>FASEB Journal</i> , 2016 , 30, 915.20	0.9
23	Intermittent Leucine Pulses during Continuous Feeding Alters Novel Components Involved in Skeletal Muscle Growth of Neonatal Pigs. <i>FASEB Journal</i> , 2016 , 30, 430.2	0.9
22	Feeding-induced time course of changes in protein synthesis in neonatal pig skeletal muscle. <i>FASEB Journal</i> , 2009 , 23, 738.2	0.9
21	Long-term leucine induced stimulation of muscle protein synthesis is amino acid dependent. <i>FASEB Journal</i> , 2009 , 23, 228.7	0.9
20	Acute Effects of Enteral Leucine Supplementation of a Low Protein Diet on Muscle Protein Synthesis in Neonatal Pigs. <i>FASEB Journal</i> , 2009 , 23, 33.1	0.9
19	Mechanical ventilation and sepsis induce skeletal muscle catabolism in neonatal pigs. <i>FASEB Journal</i> , 2010 , 24, 740.34	0.9
18	Differential Regulation of Protein Synthesis and mTOR Signaling in Skeletal Muscle and Visceral Tissues of Neonatal Pigs after a Meal. <i>FASEB Journal</i> , 2010 , 24, 220.5	0.9
17	Age-dependent capacity to accelerate protein synthesis dictates the extent of compensatory growth in skeletal muscle following undernutrition. <i>FASEB Journal</i> , 2010 , 24, 97.8	0.9
16	Maturity aggravates sepsis-associated skeletal muscle catabolism in growing pigs.. <i>FASEB Journal</i> , 2010 , 24, 327.2	0.9
15	Intermittent Bolus Feeding Has a Greater Stimulatory Effect on Protein Synthesis in Skeletal Muscle than Continuous Feeding in Neonatal Pigs. <i>FASEB Journal</i> , 2010 , 24, 327.3	0.9
14	Chronic Enteral Leucine Supplementation of a Low Protein Diet Increases Skeletal Muscle Protein Synthesis in Neonatal Pigs by Stimulating mTOR-Dependent Translation Initiation. <i>FASEB Journal</i> , 2010 , 24, 327.4	0.9

13	Leucine Supplementation of a Low Protein Meal Increases Skeletal Muscle and Visceral Tissue Protein Synthesis in Neonatal Pigs by Stimulating mTOR-Dependent Translation Initiation. <i>FASEB Journal</i> , 2010 , 24, 97.4	0.9
12	Differential expression of proton-assisted amino acid transporters (PAT1 and PAT2) in tissues of neonatal pigs. <i>FASEB Journal</i> , 2011 , 25, 782.10	0.9
11	Protein Deposition in the Hindquarters of Neonatal Pigs Is Enhanced by Intermittent Bolus Compared to Continuous Feeding. <i>FASEB Journal</i> , 2011 , 25, 109.4	0.9
10	Chronic leucine supplementation of a low protein diet increases protein synthesis in skeletal muscle and visceral tissues of neonatal pigs through mTOR signaling. <i>FASEB Journal</i> , 2011 , 25, 109.5	0.9
9	Sepsis and Mechanical Ventilation Restrain Translation Initiation in Skeletal Muscle by Inducing AMPK-associated TSC2 Restriction of mTOR Signaling in Pigs. <i>FASEB Journal</i> , 2011 , 25, 983.11	0.9
8	Amino acids suppress the autophagic degradation pathway in skeletal muscle of septic neonatal pigs. <i>FASEB Journal</i> , 2012 , 26, 649.6	0.9
7	Nutritionally-induced neonatal muscle growth retardation can be rescued by sustained muscle IGF-I expression. <i>FASEB Journal</i> , 2012 , 26, 265.6	0.9
6	Persistence of an Adverse Metabolic Phenotype in Parenterally Fed Neonatal Pigs. <i>FASEB Journal</i> , 2012 , 26, 34.4	0.9
5	Leucine Pulse Increases Skeletal Muscle Protein Synthesis during Continuous Feeding in Neonatal Pigs. <i>FASEB Journal</i> , 2012 , 26, 265.5	0.9
4	Lean Gain Is Enhanced by a Leucine Pulse during Long-Term Continuous Feeding in Neonatal Pigs. <i>FASEB Journal</i> , 2013 , 27, 350.6	0.9
3	Voluntary activity is blunted following undernutrition in early life. <i>FASEB Journal</i> , 2013 , 27, 111.1	0.9
2	Cholanemia induces skeletal muscle wasting despite stimulation of translation initiation, decreased autophagy, activation of Yes Associated Protein (YAP) and proteosomal signal activation in mice. <i>FASEB Journal</i> , 2013 , 27, 631.7	0.9
1	The 2020 FASEB Virtual Science Research Conference on Nutrient Sensing and Metabolic Signaling, August 10-11, 2020. <i>FASEB Journal</i> , 2020 , 34, 15627-15629	0.9