K Sreekumaran Nair

List of Publications by Year
in descending order

210 papers	18,478 citations	13099 68 h-index	13771 129 g-index
212 all docs	212 docs citations	212 times ranked	22401 citing authors

#	Article	IF	Citations
1	Protein intake and exercise for optimal muscle function with aging: Recommendations from the ESPEN Expert Group. Clinical Nutrition, 2014, 33, 929-936.	5.0	1,108
2	Decline in skeletal muscle mitochondrial function with aging in humans. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5618-5623.	7.1	1,035
3	Metabolomics Workbench: An international repository for metabolomics data and metadata, metabolite standards, protocols, tutorials and training, and analysis tools. Nucleic Acids Research, 2016, 44, D463-D470.	14.5	568
4	A PGC-1Î± Isoform Induced by Resistance Training Regulates Skeletal Muscle Hypertrophy. Cell, 2012, 151, 1319-1331.	28.9	548
5	Impact of Aerobic Exercise Training on Age-Related Changes in Insulin Sensitivity and Muscle Oxidative Capacity. Diabetes, 2003, 52, 1888-1896.	0.6	532
6	DHEA in Elderly Women and DHEA or Testosterone in Elderly Men. New England Journal of Medicine, 2006, 355, 1647-1659.	27.0	527
7	Endurance Exercise as a Countermeasure for Aging. Diabetes, 2008, 57, 2933-2942.	0.6	493
8	Aging muscle. American Journal of Clinical Nutrition, 2005, 81, 953-963.	4.7	450
9	Detection and Quantitation of Circulating Human Irisin by Tandem Mass Spectrometry. Cell Metabolism, 2015, 22, 734-740.	16.2	414
10	Effect of insulin on human skeletal muscle mitochondrial ATP production, protein synthesis, and mRNA transcripts. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7996-8001.	7.1	402
11	Enhanced Protein Translation Underlies Improved Metabolic and Physical Adaptations to Different Exercise Training Modes in Young and Old Humans. Cell Metabolism, 2017, 25, 581-592.	16.2	381
12	Age and aerobic exercise training effects on whole body and muscle protein metabolism. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E92-E101.	3.5	370
13	GDF15 mediates the effects of metformin on body weight and energy balance. Nature, 2020, 578, 444-448.	27.8	326
14	Effects of aging on in vivo synthesis of skeletal muscle myosin heavy-chain and sarcoplasmic protein in humans. American Journal of Physiology - Endocrinology and Metabolism, 1997, 273, E790-E800.	3.5	282
15	Apolipoprotein synthesis in nonalcoholic steatohepatitis. Hepatology, 2002, 35, 898-904.	7.3	271
16	Gene Expression Profile in Skeletal Muscle of Type 2 Diabetes and the Effect of Insulin Treatment. Diabetes, 2002, 51, 1913-1920.	0.6	248
17	Age, Obesity, and Sex Effects on Insulin Sensitivity and Skeletal Muscle Mitochondrial Function. Diabetes, 2010, 59, 89-97.	0.6	242
18	Sarcopenia of Aging and Its Metabolic Impact. Current Topics in Developmental Biology, 2005, 68, 123-148.	2.2	221

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19	Quantitative Metabolomics by 1H-NMR and LC-MS/MS Confirms Altered Metabolic Pathways in Diabetes. PLoS ONE, 2010, 5, e10538.	2.5	218
20	Influence of Frailty and Health Status on Outcomes in Patients With Coronary Disease Undergoing Percutaneous Revascularization. Circulation: Cardiovascular Quality and Outcomes, 2011, 4, 496-502.	2.2	208
21	Chapter 20: Functional Assessment of Isolated Mitochondria In Vitro. Methods in Enzymology, 2009, 457, 349-372.	1.0	196
22	Age effect on transcript levels and synthesis rate of muscle MHC and response to resistance exercise. American Journal of Physiology - Endocrinology and Metabolism, 2001, 280, E203-E208.	3.5	194
23	Timeâ€Restricted Eating Effects on Body Composition and Metabolic Measures in Humans who are Overweight: A Feasibility Study. Obesity, 2020, 28, 860-869.	3.0	190
24	HORMONAL REGULATION OF HUMAN MUSCLE PROTEIN METABOLISM. Annual Review of Nutrition, 1997, 17, 457-485.	10.1	184
25	Chronic Caloric Restriction Preserves Mitochondrial Function in Senescence without Increasing Mitochondrial Biogenesis. Cell Metabolism, 2012, 16, 777-788.	16.2	183
26	Skeletal Muscle Mitochondrial Functions, Mitochondrial DNA Copy Numbers, and Gene Transcript Profiles in Type 2 Diabetic and Nondiabetic Subjects at Equal Levels of Low or High Insulin and Euglycemia. Diabetes, 2006, 55, 3309-3319.	0.6	174
27	Skeletal muscle aging and the mitochondrion. Trends in Endocrinology and Metabolism, 2013, 24, 247-256.	7.1	172
28	Adipocyte Mitochondrial Function Is Reduced in Human Obesity Independent of Fat Cell Size. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E209-E216.	3.6	171
29	1Î±,25-Dihydroxyvitamin D3 Regulates Mitochondrial Oxygen Consumption and Dynamics in Human Skeletal Muscle Cells. Journal of Biological Chemistry, 2016, 291, 1514-1528.	3.4	164
30	Asian Indians Have Enhanced Skeletal Muscle Mitochondrial Capacity to Produce ATP in Association With Severe Insulin Resistance. Diabetes, 2008, 57, 1166-1175.	0.6	163
31	Type 2 Diabetes Impairs Splanchnic Uptake of Glucose but Does Not Alter Intestinal Glucose Absorption During Enteral Glucose Feeding. Diabetes, 2001, 50, 1351-1362.	0.6	154
32	Molecular Transducers of Physical Activity Consortium (MoTrPAC): Mapping the Dynamic Responses to Exercise. Cell, 2020, 181, 1464-1474.	28.9	147
33	Changes in myosin heavy chain mRNA and protein expression in human skeletal muscle with age and endurance exercise training. Journal of Applied Physiology, 2005, 99, 95-102.	2.5	146
34	Altered mitochondrial function in insulin-deficient and insulin-resistant states. Journal of Clinical Investigation, 2018, 128, 3671-3681.	8.2	136
35	Hormonal and Signaling Role of Branched-Chain Amino Acids. Journal of Nutrition, 2005, 135, 1547S-1552S.	2.9	133
36	Insulin and IGF-1 receptors regulate FoxO-mediated signaling in muscle proteostasis. Journal of Clinical Investigation, 2016, 126, 3433-3446.	8.2	132

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37	Differential Regulation of Protein Dynamics in Splanchnic and Skeletal Muscle Beds by Insulin and Amino Acids in Healthy Human Subjects. Diabetes, 2003, 52, 1377-1385.	0.6	130
38	Synthesis Rate of Muscle Proteins, Muscle Functions, and Amino Acid Kinetics in Type 2 Diabetes. Diabetes, 2002, 51, 2395-2404.	0.6	127
39	Reduced synthesis of muscle proteins in chronic renal failure. American Journal of Physiology - Endocrinology and Metabolism, 2000, 278, E219-E225.	3.5	125
40	Muscle mitochondrial changes with aging and exercise. American Journal of Clinical Nutrition, 2009, 89, 467S-471S.	4.7	123
41	The Impact of Overt and Subclinical Hyperthyroidism on Skeletal Muscle. Thyroid, 2006, 16, 375-380.	4.5	122
42	Hyperglucagonemia Increases Resting Metabolic Rate In Man During Insulin Deficiency*. Journal of Clinical Endocrinology and Metabolism, 1987, 64, 896-901.	3.6	117
43	Influence of fish oil on skeletal muscle mitochondrial energetics and lipid metabolites during high-fat diet. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E1391-E1403.	3.5	116
44	Preferential skeletal muscle myosin loss in response to mechanical silencing in a novel rat intensive care unit model: underlying mechanisms. Journal of Physiology, 2011, 589, 2007-2026.	2.9	112
45	Hormone Replacement Therapy and Physical Function in Healthy Older Men. Time to Talk Hormones?. Endocrine Reviews, 2012, 33, 314-377.	20.1	111
46	Effect of Dehydroepiandrosterone Replacement on Insulin Sensitivity and Lipids in Hypoadrenal Women. Diabetes, 2005, 54, 765-769.	0.6	108
47	Mechanism of insulin's anabolic effect on muscle: measurements of muscle protein synthesis and breakdown using aminoacyl-tRNA and other surrogate measures. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E729-E736.	3.5	107
48	Assessment of Branched-Chain Amino Acid Status and Potential for Biomarkers. Journal of Nutrition, 2006, 136, 324S-330S.	2.9	106
49	FoxO Transcription Factors Are Critical Regulators of Diabetes-Related Muscle Atrophy. Diabetes, 2019, 68, 556-570.	0.6	105
50	Effect of Insulin Deprivation on Muscle Mitochondrial ATP Production and Gene Transcript Levels in Type 1 Diabetic Subjects. Diabetes, 2007, 56, 2683-2689.	0.6	104
51	Functional impact of high protein intake on healthy elderly people. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E921-E928.	3.5	104
52	Frailty and Its Potential Relevance to Cardiovascular Care. Mayo Clinic Proceedings, 2008, 83, 1146-1153.	3.0	94
53	Combined Training Enhances Skeletal Muscle Mitochondrial Oxidative Capacity Independent of Age. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 1654-1663.	3.6	94
54	Defects in Mitochondrial Efficiency and H2O2 Emissions in Obese Women Are Restored to a Lean Phenotype With Aerobic Exercise Training. Diabetes, 2015, 64, 2104-2115.	0.6	89

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55	Higher muscle protein synthesis in women than men across the lifespan, and failure of androgen administration to amend ageâ€related decrements. FASEB Journal, 2009, 23, 631-641.	0.5	86
56	Mechanism by Which Caloric Restriction Improves Insulin Sensitivity in Sedentary Obese Adults. Diabetes, 2016, 65, 74-84.	0.6	86
57	Effect of 2 Years of Testosterone Replacement on Insulin Secretion, Insulin Action, Glucose Effectiveness, Hepatic Insulin Clearance, and Postprandial Glucose Turnover in Elderly Men. Diabetes Care, 2007, 30, 1972-1978.	8.6	85
58	Insulin Regulation of Proteostasis and Clinical Implications. Cell Metabolism, 2017, 26, 310-323.	16.2	85
59	Mitochondrial Morphology, Dynamics, and Function in Human Pressure Overload or Ischemic Heart Disease With Preserved or Reduced Ejection Fraction. Circulation: Heart Failure, 2019, 12, e005131.	3.9	82
60	Protein Metabolism in Insulin-Dependent Diabetes Mellitus ,. Journal of Nutrition, 1998, 128, 323S-327S.	2.9	80
61	T3 increases mitochondrial ATP production in oxidative muscle despite increased expression of UCP2 and -3. American Journal of Physiology - Endocrinology and Metabolism, 2001, 280, E761-E769.	3.5	80
62	Effects of Free Fatty Acids and Glycerol on Splanchnic Glucose Metabolism and Insulin Extraction in Nondiabetic Humans. Diabetes, 2002, 51, 301-310.	0.6	78
63	Measurement of human skeletal muscle oxidative capacity by ³¹Pâ€MR spectroscopy: A crossâ€validation with in vitro measurements. Journal of Magnetic Resonance Imaging, 2011, 34, 1143-1150.	3.4	78
64	Effect of Insulin Sensitizer Therapy on Amino Acids and Their Metabolites. Metabolism: Clinical and Experimental, 2015, 64, 720-728.	3.4	77
65	Mitochondrial DNA alterations and reduced mitochondrial function in aging. Mechanisms of Ageing and Development, 2010, 131, 451-462.	4.6	75
66	Exercise and metformin counteract altered mitochondrial function in the insulin-resistant brain. JCI Insight, 2019, 4, .	5.0	75
67	Enhancement of Muscle Mitochondrial Function by Growth Hormone. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 597-604.	3.6	74
68	FOXO3a regulates BNIP3 and modulates mitochondrial calcium, dynamics, and function in cardiac stress. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H1540-H1559.	3.2	72
69	Protein Metabolism in Clinically Stable Adult Cystic Fibrosis Patients With Abnormal Glucose Tolerance. Diabetes, 2001, 50, 1336-1343.	0.6	70
70	Impact of endurance training on murine spontaneous activity, muscle mitochondrial DNA abundance, gene transcripts, and function. Journal of Applied Physiology, 2007, 102, 1078-1089.	2.5	70
71	In vivo measurement of synthesis rate of individual skeletal muscle mitochondrial proteins. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E1255-E1268.	3.5	69
72	Age effect on fibrinogen and albumin synthesis in humans. American Journal of Physiology - Endocrinology and Metabolism, 1998, 275, E1023-E1030.	3.5	66

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73	The Decisive Role of Free Fatty Acids for Protein Conservation during Fasting in Humans with and without Growth Hormone. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 4371-4378.	3.6	66
74	Muscle Protein Turnover: Methodological Issues and the Effect of Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 1995, 50A, 107-112.	3.6	65
75	Dehydroepiandrosterone: Is There a Role for Replacement?. Mayo Clinic Proceedings, 2003, 78, 1257-1273.	3.0	65
76	Protein and energy metabolism in type 1 diabetes. Clinical Nutrition, 2010, 29, 13-17.	5.0	64
77	Mitochondrial metabolic function assessed in vivo and in vitro. Current Opinion in Clinical Nutrition and Metabolic Care, 2010, 13, 511-517.	2.5	63
78	Regulation of skeletal muscle mitochondrial function: genes to proteins. Acta Physiologica, 2010, 199, 529-547.	3.8	63
79	Characterization of cellular senescence in aging skeletal muscle. Nature Aging, 2022, 2, 601-615.	11.6	61
80	Citrulline stimulates muscle protein synthesis in the post-absorptive state in healthy people fed a low-protein diet â€“ A pilot study. Clinical Nutrition, 2015, 34, 449-456.	5.0	60
81	Identification of Amadori-Modified Plasma Proteins in Type 2 Diabetes and the Effect of Short-Term Intensive Insulin Treatment. Diabetes Care, 2005, 28, 645-652.	8.6	59
82	A Method for Automatically Interpreting Mass Spectra of 18O-Labeled Isotopic Clusters. Molecular and Cellular Proteomics, 2007, 6, 305-318.	3.8	59
83	Hyperandrogenism Sensitizes Leukocytes to Hyperglycemia to Promote Oxidative Stress in Lean Reproductive-Age Women. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 2836-2843.	3.6	59
84	Fasting Increases Human Skeletal Muscle Net Phenylalanine Release and This Is Associated with Decreased mTOR Signaling. PLoS ONE, 2014, 9, e102031.	2.5	59
85	Lack of Dehydroepiandrosterone Effect on a Combined Endurance and Resistance Exercise Program in Postmenopausal Women. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 534-538.	3.6	58
86	Differential Effect of Endurance Training on Mitochondrial Protein Damage, Degradation, and Acetylation in the Context of Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 1386-1393.	3.6	58
87	Effect of Testosterone on Insulin Stimulated IRS1 Ser Phosphorylation in Primary Rat Myotubesâ€"A Potential Model for PCOS-Related Insulin Resistance. PLoS ONE, 2009, 4, e4274.	2.5	56
88	Diabetes and Protein Metabolism. Diabetes, 2008, 57, 3-4.	0.6	55
89	Paradoxical Coupling of Triglyceride Synthesis and Fatty Acid Oxidation in Skeletal Muscle Overexpressing DGAT1. Diabetes, 2009, 58, 2516-2524.	0.6	55
90	Concordance of Changes in Metabolic Pathways Based on Plasma Metabolomics and Skeletal Muscle Transcriptomics in Type 1 Diabetes. Diabetes, 2012, 61, 1004-1016.	0.6	55

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91	Predictors of Whole-Body Insulin Sensitivity Across Ages and Adiposity in Adult Humans. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 626-634.	3.6	55
92	TFAM Enhances Fat Oxidation and Attenuates High-Fat Dietâ€“Induced Insulin Resistance in Skeletal Muscle. Diabetes, 2019, 68, 1552-1564.	0.6	54
93	Unique Cellular and Mitochondrial Defects Mediate FK506-Induced Islet Î²-Cell Dysfunction. Transplantation, 2011, 91, 615-623.	1.0	50
94	High Insulin Combined With Essential Amino Acids Stimulates Skeletal Muscle Mitochondrial Protein Synthesis While Decreasing Insulin Sensitivity in Healthy Humans. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E2574-E2583.	3.6	50
95	Hyperglucagonemia Mitigates the Effect of Metformin on Glucose Production in Prediabetes. Cell Reports, 2016, 15, 1394-1400.	6.4	50
96	Elevated Free Fatty Acids Impair Glucose Metabolism in Women: Decreased Stimulation of Muscle Glucose Uptake and Suppression of Splanchnic Glucose Production During Combined Hyperinsulinemia and Hyperglycemia. Diabetes, 2003, 52, 38-42.	0.6	49
97	Effect of hyperthyroidism on spontaneous physical activity and energy expenditure in rats. Journal of Applied Physiology, 2003, 94, 165-170.	2.5	49
98	Anthropometric Prediction of Total Body Water in Children Who Are on Pediatric Peritoneal Dialysis. Journal of the American Society of Nephrology: JASN, 2006, 17, 285-293.	6.1	49
99	Impairment of phenylalanine conversion to tyrosine inend-stage renal disease causing tyrosine deficiency. Kidney International, 2004, 66, 591-596.	5.2	48
100	The Effects of Growth Hormone and/or Testosterone on Whole Body Protein Kinetics and Skeletal Muscle Gene Expression in Healthy Elderly Men: A Randomized Controlled Trial. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 3066-3074.	3.6	48
101	Interdependence of Signal Processing and Analysis of Urine ¹H NMR Spectra for Metabolic Profiling. Analytical Chemistry, 2009, 81, 6080-6088.	6.5	48
102	Sparing of muscle mass and function by passive loading in an experimental intensive care unit model. Journal of Physiology, 2013, 591, 1385-1402.	2.9	48
103	Combining a nontargeted and targeted metabolomics approach to identify metabolic pathways significantly altered in polycystic ovary syndrome. Metabolism: Clinical and Experimental, 2017, 71, 52-63.	3.4	48
104	Functional and proteomic alterations of plasma high density lipoproteins in type 1 diabetes mellitus. Metabolism: Clinical and Experimental, 2016, 65, 1421-1431.	3.4	47
105	Mitochondrial and skeletal muscle health with advancing age. Molecular and Cellular Endocrinology, 2013, 379, 19-29.	3.2	46
106	Hormonal and Metabolic Changes of Aging and the Influence of Lifestyle Modifications. Mayo Clinic Proceedings, 2021, 96, 788-814.	3.0	45
107	Nonoxidative Free Fatty Acid Disposal Is Greater in Young Women than Men. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 541-547.	3.6	44
108	Mitochondrial Aging and Physical Decline: Insights From Three Generations of Women. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 1409-1417.	3.6	43

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109	Identification of De Novo Synthesized and Relatively Older Proteins. Diabetes, 2010, 59, 2366-2374.	0.6	42
110	Insulin fails to enhance mTOR phosphorylation, mitochondrial protein synthesis, and ATP production in human skeletal muscle without amino acid replacement. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E1117-E1125.	3.5	41
111	Impact of Long-Term Poor and Good Glycemic Control on Metabolomics Alterations in Type 1 Diabetic People. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 1023-1033.	3.6	41
112	Increased Brain Glucose Uptake After 12 Weeks of Aerobic High-Intensity Interval Training in Young and Older Adults. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 221-227.	3.6	41
113	Regional leptin kinetics in humans. American Journal of Clinical Nutrition, 1999, 69, 18-21.	4.7	40
114	The Effect of Branched Chain Amino Acids on Skeletal Muscle Mitochondrial Function in Young and Elderly Adults. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 894-902.	3.6	40
115	Altered Skeletal Muscle Mitochondrial Proteome As the Basis of Disruption of Mitochondrial Function in Diabetic Mice. Diabetes, 2016, 65, 561-573.	0.6	40
116	Effect of Short-Term Prednisone Use on Blood Flow, Muscle Protein Metabolism, and Function. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 6198-6207.	3.6	39
117	Changes in Body Composition in Women Following Treatment of Overt and Subclinical Hyperthyroidism. Endocrine Practice, 2008, 14, 973-978.	2.1	39
118	Glutamine-derived 2-hydroxyglutarate is associated with disease progression in plasma cell malignancies. JCI Insight, 2018, 3, .	5.0	39
119	Nine Days of Intensive Exercise Training Improves Mitochondrial Function But Not Insulin Action in Adult Offspring of Mothers with Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E1137-E1141.	3.6	38
120	Insulin deficiency and intranasal insulin alter brain mitochondrial function: a potential factor for dementia in diabetes. FASEB Journal, 2019, 33, 4458-4472.	0.5	38
121	Age-Related Changes in Muscle. Mayo Clinic Proceedings, 2000, 75, S14-S18.	3.0	35
122	Splanchnic Release of Ghrelin in Humans. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 850-852.	3.6	32
123	Effects of Insulin Deprivation and Treatment on Homocysteine Metabolism in People with Type 1 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 3344-3348.	3.6	32
124	Muscle Protein Synthesis in Younger and Older Men. JAMA - Journal of the American Medical Association, 2002, 287, 317-318.	7.4	32
125	Is there a case for DHEA replacement?. Bailliere's Clinical Endocrinology and Metabolism, 1998, 12, 507-520.	1.0	29
126	Changes in Skeletal Muscle Protein Metabolism and Myosin Heavy Chain Isoform Messenger Ribonucleic Acid Abundance after Treatment of Hyperthyroidism. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 4650-4656.	3.6	29

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127	Effect of Dehydroepiandrosterone Replacement on Lipoprotein Profile in Hypoadrenal Women. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 761-764.	3.6	29
128	Fatty Acid Metabolism in the Elderly: Effects of Dehydroepiandrosterone and Testosterone Replacement in Hormonally Deficient Men and Women. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 3414-3423.	3.6	29
129	Comparison of different mass spectrometry techniques in the measurement of Lâ€[ringâ€‹sup›13‹/sup›C‹sub›6‹/sub›]phenylalanine incorporation into mixed muscle proteins. Journal of Mass Spectrometry, 2013, 48, 269-275.	1.6	29
130	Measurement of synthesis rates of specific muscle proteins using needle biopsy samples. Muscle and Nerve, 1997, 20, 93-96.	2.2	28
131	Measurement of dermal collagen synthesis rate in vivo in humans. American Journal of Physiology - Endocrinology and Metabolism, 1998, 274, E586-E591.	3.5	28
132	Renal amino acid, fat and glucose metabolism in type 1 diabetic and non-diabetic humans: effects of acute insulin withdrawal. Diabetologia, 2006, 49, 1901-1908.	6.3	28
133	AMPK and PPARÎ² positive feedback loop regulates endurance exercise training-mediated GLUT4 expression in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E931-E939.	3.5	27
134	Sexâ€‹specific effects of dehydroepiandrosterone (DHEA) on bone mineral density and body composition: A pooled analysis of four clinical trials. Clinical Endocrinology, 2019, 90, 293-300.	2.4	27
135	Does Aging Adversely Affect Muscle Mitochondrial Function?. Exercise and Sport Sciences Reviews, 2001, 29, 118-123.	3.0	26
136	Effect of Oral Amino Acids on Counterregulatory Responses and Cognitive Function During Insulin-Induced Hypoglycemia in Nondiabetic and Type 1 Diabetic People. Diabetes, 2008, 57, 1905-1917.	0.6	26
137	Release of skeletal muscle peptide fragments identifies individual proteins degraded during insulin deprivation in type 1 diabetic humans and mice. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E628-E637.	3.5	26
138	LIM and cysteine-rich domains 1 (LMCD1) regulates skeletal muscle hypertrophy, calcium handling, and force. Skeletal Muscle, 2019, 9, 26.	4.2	25
139	A size-exclusion-based approach for purifying extracellular vesicles from human plasma. Cell Reports Methods, 2021, 1, 100055.	2.9	25
140	Effect of a Sulfonylurea and Insulin on Energy Expenditure in Type II Diabetes Mellitus*. Journal of Clinical Endocrinology and Metabolism, 1988, 66, 593-597.	3.6	24
141	Metabolic responsiveness to training depends on insulin sensitivity and protein content of exosomes in insulin-resistant males. Science Advances, 2021, 7, eabi9551.	10.3	24
142	Dietary antioxidants preserve endothelium dependent vasorelaxation in overfed rats. Atherosclerosis, 2002, 161, 327-333.	0.8	23
143	Age effect on myocellular remodeling: Response to exercise and nutrition in humans. Ageing Research Reviews, 2012, 11, 374-389.	10.9	23
144	Enhancement of anaerobic glycolysis â€“ a role of PGC-1Î±4 in resistance exercise. Nature Communications, 2022, 13, 2324.	12.8	23

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145	Impact of insulin deprivation and treatment on sphingolipid distribution in different muscle subcellular compartments of streptozotocin-diabetic C57Bl/6 mice. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E529-E542.	3.5	22
146	Mitochondrial Integrity and Function in the Progression of Early Pressure Overloadâ€“Induced Left Ventricular Remodeling. Journal of the American Heart Association, 2017, 6, .	3.7	21
147	Differential effects of insulin deprivation and systemic insulin treatment on plasma protein synthesis in type 1 diabetic people. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E889-E897.	3.5	20
148	Whole body protein kinetics using Phe and Tyr tracers: an evaluation of the accuracy of approximated flux values. American Journal of Physiology - Endocrinology and Metabolism, 1999, 276, E1194-E1200.	3.5	19
149	Effects on Lipoprotein Particles of Long-Term Dehydroepiandrosterone in Elderly Men and Women and Testosterone in Elderly Men. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1617-1625.	3.6	19
150	Insulin-Mediated FFA Suppression Is Associated with Triglyceridemia and Insulin Sensitivity Independent of Adiposity. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 4130-4138.	3.6	19
151	Circulating extracellular vesicles are a biomarker for NAFLD resolution and response to weight loss surgery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 36, 102430.	3.3	19
152	Potential Application of Essential Amino Acid Supplementation to Treat Sarcopenia in Elderly People. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 1524-1526.	3.6	18
153	Mechanism of Glomerular Hyperfiltration After a Protein Meal in Humans: Role of hormones and amino acids. Diabetes Care, 1994, 17, 711-715.	8.6	15
154	Effect of Insulin Sensitizer Therapy on Atherothrombotic and Inflammatory Profiles Associated With Insulin Resistance. Mayo Clinic Proceedings, 2012, 87, 561-570.	3.0	15
155	In vivo assessment of glutamine anaplerosis into the TCA cycle in human pre-malignant and malignant clonal plasma cells. Cancer & Metabolism, 2020, 8, 29.	5.0	15
156	The Effect of High Glucocorticoid Administration and Food Restriction on Rodent Skeletal Muscle Mitochondrial Function and Protein Metabolism. PLoS ONE, 2009, 4, e5283.	2.5	15
157	Dehydroepiandrosterone Replacement Therapy in Hypoadrenal Women: Protein Anabolism and Skeletal Muscle Function. Mayo Clinic Proceedings, 2008, 83, 1218-1225.	3.0	14
158	Effects of Adiposity and 30 Days of Caloric Restriction Upon Protein Metabolism in Moderately vs. Severely Obese Women. Obesity, 2010, 18, 1135-1142.	3.0	14
159	Insulin Does Not Stimulate Protein Synthesis Acutely in Prepubertal Children with Insulin-Dependent Diabetes Mellitus¹. Journal of Clinical Endocrinology and Metabolism, 1997, 82, 4083-4087.	3.6	13
160	DHEA in Elderly Women and DHEA or Testosterone in Elderly Men. Obstetrical and Gynecological Survey, 2007, 62, 113-114.	0.4	13
161	Electron spray ionization mass spectrometry and 2D 31P NMR for monitoring 18O/16O isotope exchange and turnover rates of metabolic oligophosphates. Analytical and Bioanalytical Chemistry, 2012, 403, 697-706.	3.7	13
162	Chronically endurance-trained individuals preserve skeletal muscle mitochondrial gene expression with age but differences within age groups remain. Physiological Reports, 2014, 2, e12239.	1.7	13

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163	Impact of Type 1 Diabetes and Insulin Treatment on Plasma Levels and Fractional Synthesis Rate of Retinol-Binding Protein 4. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 5125-5130.	3.6	12
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