

# CITATION REPORT

List of articles citing

**BMI, RQ, diabetes, and sex affect the relationships between amino acids and clamp measures of insulin action in humans**

**DOI: 10.2337/db13-0396**  
**Diabetes, 2014, 63, 791-800.**

**Source:** <https://exaly.com/paper-pdf/59253674/citation-report.pdf>

**Version:** 2024-04-28

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#	Paper	IF	Citations
70	Effects of leucine supplementation and serum withdrawal on branched-chain amino acid pathway gene and protein expression in mouse adipocytes. <i>PLoS ONE</i> , <b>2014</b> , 9, e102615	3.7	17
69	Production and supply of high-quality food protein for human consumption: sustainability, challenges, and innovations. <i>Annals of the New York Academy of Sciences</i> , <b>2014</b> , 1321, 1-19	6.5	124
68	The importance of dietary protein for muscle health in inactive, hospitalized older adults. <i>Annals of the New York Academy of Sciences</i> , <b>2014</b> , 1328, 1-9	6.5	15
67	Effects of acute exposure to increased plasma branched-chain amino acid concentrations on insulin-mediated plasma glucose turnover in healthy young subjects. <i>PLoS ONE</i> , <b>2015</b> , 10, e0120049	3.7	16
66	Metabolomic analysis reveals altered skeletal muscle amino acid and fatty acid handling in obese humans. <i>Obesity</i> , <b>2015</b> , 23, 981-988	8	37
65	Impact of combined resistance and aerobic exercise training on branched-chain amino acid turnover, glycine metabolism and insulin sensitivity in overweight humans. <i>Diabetologia</i> , <b>2015</b> , 58, 2324-2333	10.3	82
64	Development of a Weighted Cardiometabolic Disease Staging (CMDS) System for the Prediction of Future Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2015</b> , 100, 3871-7	5.6	19
63	Effects of intraduodenal infusion of the branched-chain amino acid leucine on ad libitum eating, gut motor and hormone functions, and glycemia in healthy men. <i>American Journal of Clinical Nutrition</i> , <b>2015</b> , 102, 820-7	7	36
62	Protein and glucose metabolic responses to hyperinsulinemia, hyperglycemia, and hyperaminoacidemia in obese men. <i>Obesity</i> , <b>2015</b> , 23, 351-8	8	16
61	Protein Ingestion Induces Muscle Insulin Resistance Independent of Leucine-Mediated mTOR Activation. <i>Diabetes</i> , <b>2015</b> , 64, 1555-63	0.9	49
60	Metabolomic Profiles of Body Mass Index in the Framingham Heart Study Reveal Distinct Cardiometabolic Phenotypes. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148361	3.7	115
59	The role of amino acid profiles in diabetes risk assessment. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2016</b> , 19, 328-335	3.8	18
58	Branched-chain amino acid restriction in Zucker-fatty rats improves muscle insulin sensitivity by enhancing efficiency of fatty acid oxidation and acyl-glycine export. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 538-551	8.8	139
57	Metabolomics in Prediabetes and Diabetes: A Systematic Review and Meta-analysis. <i>Diabetes Care</i> , <b>2016</b> , 39, 833-46	14.6	418
56	A Glycine-Insulin Autocrine Feedback Loop Enhances Insulin Secretion From Human $\beta$ Cells and Is Impaired in Type 2 Diabetes. <i>Diabetes</i> , <b>2016</b> , 65, 2311-21	0.9	37
55	Noninvasive Detection of Nonalcoholic Steatohepatitis Using Clinical Markers and Circulating Levels of Lipids and Metabolites. <i>Clinical Gastroenterology and Hepatology</i> , <b>2016</b> , 14, 1463-1472.e6	6.9	82
54	Plasma Glycine and Risk of Acute Myocardial Infarction in Patients With Suspected Stable Angina Pectoris. <i>Journal of the American Heart Association</i> , <b>2015</b> , 5,	6	48

53	Impaired "Glycine"-mia in Type 2 Diabetes and Potential Mechanisms Contributing to Glucose Homeostasis. <i>Endocrinology</i> , <b>2017</b> , 158, 1064-1073	4.8	32
52	Effects of Histidine Supplementation on Global Serum and Urine H NMR-based Metabolomics and Serum Amino Acid Profiles in Obese Women from a Randomized Controlled Study. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 2221-2230	5.6	26
51	Abnormal circulating amino acid profiles in multiple metabolic disorders. <i>Diabetes Research and Clinical Practice</i> , <b>2017</b> , 132, 45-58	7.4	40
50	Metabolomics and Metabolic Diseases: Where Do We Stand?. <i>Cell Metabolism</i> , <b>2017</b> , 25, 43-56	24.6	339
49	Plasma Amino Acids vs Conventional Predictors of Insulin Resistance Measured by the Hyperinsulinemic Clamp. <i>Journal of the Endocrine Society</i> , <b>2017</b> , 1, 861-873	0.4	10
48	Amino Acid Signatures to Evaluate the Beneficial Effects of Weight Loss. <i>International Journal of Endocrinology</i> , <b>2017</b> , 2017, 6490473	2.7	21
47	Serum Metabolomics of Activity Energy Expenditure and its Relation to Metabolic Syndrome and Obesity. <i>Scientific Reports</i> , <b>2018</b> , 8, 3308	4.9	23
46	Metabolomic Signatures and Metabolic Complications in Childhood Obesity. <i>Contemporary Endocrinology</i> , <b>2018</b> , 343-361	0.3	4
45	Insulin resistance and glycine metabolism in humans. <i>Amino Acids</i> , <b>2018</b> , 50, 11-27	3.5	44
44	Serum and plasma amino acids as markers of prediabetes, insulin resistance, and incident diabetes. <i>Critical Reviews in Clinical Laboratory Sciences</i> , <b>2018</b> , 55, 21-32	9.4	51
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39	Integrated analysis of genomics, longitudinal metabolomics, and Alzheimer's risk factors among 1,111 cohort participants. <i>Genetic Epidemiology</i> , <b>2019</b> , 43, 657-674	2.6	12
38	Plasma metabolomic profiling of amino acids and polar lipids in Iranian obese adults. <i>Lipids in Health and Disease</i> , <b>2019</b> , 18, 94	4.4	24
37	Drug Development for Diabetes Mellitus: Beyond Hemoglobin A1c. <b>2019</b> , 405-421		
36	Detection of Secondary Metabolites as Biomarkers for the Early Diagnosis and Prevention of Type 2 Diabetes. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , <b>2019</b> , 12, 2675-2684	3.4	7

35	Use of plasma-free amino acids as biomarkers for detecting and predicting disease risk. <i>Nutrition Reviews</i> , <b>2020</b> , 78, 79-85	6.4	8
34	Muscle-Liver Trafficking of BCAA-Derived Nitrogen Underlies Obesity-Related Glycine Depletion. <i>Cell Reports</i> , <b>2020</b> , 33, 108375	10.6	20
33	Diabetes Leads to Alterations in Normal Metabolic Transitions of Pregnancy as Revealed by Time-Course Metabolomics. <i>Metabolites</i> , <b>2020</b> , 10,	5.6	5
32	Detection of Early Disease Risk Factors Associated with Metabolic Syndrome: A New Era with the NMR Metabolomics Assessment. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	21
31	3-Hydroxyisobutyrate, A Strong Marker of Insulin Resistance in Type 2 Diabetes and Obesity That Modulates White and Brown Adipocyte Metabolism. <i>Diabetes</i> , <b>2020</b> , 69, 1903-1916	0.9	20
30	The regulation of healthspan and lifespan by dietary amino acids. <i>Translational Medicine of Aging</i> , <b>2021</b> , 5, 17-30	2.7	4
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28	Design of a randomised controlled trial: does indirect calorimetry energy information influence weight loss in obesity?. <i>BMJ Open</i> , <b>2021</b> , 11, e044519	3	
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25	Metabolic and biological changes in children with obesity and diabetes. <i>World Journal of Meta-analysis</i> , <b>2021</b> , 9, 153-163	0.5	
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16	Effectiveness and safety of pulsatile intravenous insulin therapy for the improvement of respiratory quotient in Chinese patients with diabetes mellitus. <i>Experimental and Therapeutic Medicine</i> , <b>2020</b> , 19, 3069-3075	2.1	
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