

Leigh Perreault

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

4,830
citations

101543

36
h-index

98798

67
g-index

70
all docs

70
docs citations

70
times ranked

6910
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Impact of insufficient sleep on total daily energy expenditure, food intake, and weight gain. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5695-5700. | 7.1 | 630 |
| 2 | Semaglutide 2.4 mg once a week in adults with overweight or obesity, and type 2 diabetes (STEP 2): a randomised, double-blind, double-dummy, placebo-controlled, phase 3 trial. Lancet, The, 2021, 397, 971-984. | 13.7 | 429 |
| 3 | Effect of regression from prediabetes to normal glucose regulation on long-term reduction in diabetes risk: results from the Diabetes Prevention Program Outcomes Study. Lancet, The, 2012, 379, 2243-2251. | 13.7 | 384 |
| 4 | Energy expenditure during sleep, sleep deprivation and sleep following sleep deprivation in adult humans. Journal of Physiology, 2011, 589, 235-244. | 2.9 | 248 |
| 5 | Updated Genetic Score Based on 34 Confirmed Type 2 Diabetes Loci Is Associated With Diabetes Incidence and Regression to Normoglycemia in the Diabetes Prevention Program. Diabetes, 2011, 60, 1340-1348. | 0.6 | 172 |
| 6 | Regression From Pre-Diabetes to Normal Glucose Regulation in the Diabetes Prevention Program. Diabetes Care, 2009, 32, 1583-1588. | 8.6 | 155 |
| 7 | Ad libitum Weekend Recovery Sleep Fails to Prevent Metabolic Dysregulation during a Repeating Pattern of Insufficient Sleep and Weekend Recovery Sleep. Current Biology, 2019, 29, 957-967.e4. | 3.9 | 135 |
| 8 | Morning Circadian Misalignment during Short Sleep Duration Impacts Insulin Sensitivity. Current Biology, 2015, 25, 3004-3010. | 3.9 | 129 |
| 9 | Metformin for diabetes prevention: insights gained from the Diabetes Prevention Program/Diabetes Prevention Program Outcomes Study. Diabetologia, 2017, 60, 1601-1611. | 6.3 | 129 |
| 10 | Serum sphingolipids: relationships to insulin sensitivity and changes with exercise in humans. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E398-E408. | 3.5 | 120 |
| 11 | Intracellular localization of diacylglycerols and sphingolipids influences insulin sensitivity and mitochondrial function in human skeletal muscle. JCI Insight, 2018, 3, . | 5.0 | 119 |
| 12 | Muscle sphingolipids during rest and exercise: a C18:0 signature for insulin resistance in humans. Diabetologia, 2016, 59, 785-798. | 6.3 | 108 |
| 13 | Novel and Reversible Mechanisms of Smoking-Induced Insulin Resistance in Humans. Diabetes, 2012, 61, 3156-3166. | 0.6 | 106 |
| 14 | Sex Differences in Diabetes Risk and the Effect of Intensive Lifestyle Modification in the Diabetes Prevention Program. Diabetes Care, 2008, 31, 1416-1421. | 8.6 | 104 |
| 15 | Regression From Prediabetes to Normal Glucose Regulation Is Associated With Reduction in Cardiovascular Risk: Results From the Diabetes Prevention Program Outcomes Study. Diabetes Care, 2014, 37, 2622-2631. | 8.6 | 97 |
| 16 | Effects of Weight Loss, Weight Cycling, and Weight Loss Maintenance on Diabetes Incidence and Change in Cardiometabolic Traits in the Diabetes Prevention Program. Diabetes Care, 2014, 37, 2738-2745. | 8.6 | 97 |
| 17 | Intermuscular adipose tissue directly modulates skeletal muscle insulin sensitivity in humans. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E866-E879. | 3.5 | 97 |
| 18 | SGLT2 Inhibition for CKD and Cardiovascular Disease in Type 2 Diabetes: Report of a Scientific Workshop Sponsored by the National Kidney Foundation. American Journal of Kidney Diseases, 2021, 77, 94-109. | 1.9 | 88 |

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|----|---|------|-----------|
| 19 | Trajectories of cardiometabolic risk factors before diagnosis of three subtypes of type 2 diabetes: a post-hoc analysis of the longitudinal Whitehall II cohort study. <i>Lancet Diabetes and Endocrinology</i> , 2013, 1, 43-51. | 11.4 | 87 |
| 20 | Increased intramuscular lipid synthesis and low saturation relate to insulin sensitivity in endurance-trained athletes. <i>Journal of Applied Physiology</i> , 2010, 108, 1134-1141. | 2.5 | 79 |
| 21 | Novel therapies with precision mechanisms for type 2 diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2021, 17, 364-377. | 9.6 | 70 |
| 22 | Impact of Lifestyle and Metformin Interventions on the Risk of Progression to Diabetes and Regression to Normal Glucose Regulation in Overweight or Obese People With Impaired Glucose Regulation. <i>Diabetes Care</i> , 2017, 40, 1668-1677. | 8.6 | 62 |
| 23 | Regression From Prediabetes to Normal Glucose Regulation and Prevalence of Microvascular Disease in the Diabetes Prevention Program Outcomes Study (DPPOS). <i>Diabetes Care</i> , 2019, 42, 1809-1815. | 8.6 | 61 |
| 24 | Reversion from prediabetes to normoglycaemia and risk of cardiovascular disease and mortality: the Whitehall II cohort study. <i>Diabetologia</i> , 2019, 62, 1385-1390. | 6.3 | 55 |
| 25 | No effect of menstrual cycle phase on lactate threshold. <i>Journal of Applied Physiology</i> , 2003, 95, 2537-2543. | 2.5 | 53 |
| 26 | Intramuscular Lipid Metabolism in the Insulin Resistance of Smoking. <i>Diabetes</i> , 2009, 58, 2220-2227. | 0.6 | 53 |
| 27 | SGLT2 Inhibition for CKD and Cardiovascular Disease in Type 2 Diabetes: Report of a Scientific Workshop Sponsored by the National Kidney Foundation. <i>Diabetes</i> , 2021, 70, 1-16. | 0.6 | 53 |
| 28 | Skeletal muscle phosphatidylcholine and phosphatidylethanolamine are related to insulin sensitivity and respond to acute exercise in humans. <i>Journal of Applied Physiology</i> , 2016, 120, 1355-1363. | 2.5 | 52 |
| 29 | Effect of Metformin and Lifestyle Interventions on Mortality in the Diabetes Prevention Program and Diabetes Prevention Program Outcomes Study. <i>Diabetes Care</i> , 2021, 44, 2775-2782. | 8.6 | 51 |
| 30 | Approaching Pre-diabetes. <i>Journal of Diabetes and Its Complications</i> , 2014, 28, 226-233. | 2.3 | 50 |
| 31 | Intramuscular triglyceride synthesis: importance in muscle lipid partitioning in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 314, E152-E164. | 3.5 | 45 |
| 32 | Gender Differences in Lipoprotein Lipase Activity after Acute Exercise. <i>Obesity</i> , 2004, 12, 241-249. | 4.0 | 44 |
| 33 | Selecting Core Outcomes for Randomised Effectiveness trials In Type 2 diabetes (SCORE-IT): a patient and healthcare professional consensus on a core outcome set for type 2 diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2019, 7, e000700. | 2.8 | 42 |
| 34 | Trends in Rates of Infections Requiring Hospitalization Among Adults With Versus Without Diabetes in the U.S., 2000-2015. <i>Diabetes Care</i> , 2020, 43, 106-116. | 8.6 | 42 |
| 35 | The Impact of Physical Activity on the Prevention of Type 2 Diabetes: Evidence and Lessons Learned From the Diabetes Prevention Program, a Long-Standing Clinical Trial Incorporating Subjective and Objective Activity Measures. <i>Diabetes Care</i> , 2021, 44, 43-49. | 8.6 | 41 |
| 36 | Altered Intramuscular Lipid Metabolism Relates to Diminished Insulin Action in Men, but Not Women, in Progression to Diabetes. <i>Obesity</i> , 2010, 18, 2093-2100. | 3.0 | 39 |

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|----|--|-----|-----------|
| 37 | The Importance of Palmitoleic Acid to Adipocyte Insulin Resistance and Whole-Body Insulin Sensitivity in Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E40-E50. | 3.6 | 38 |
| 38 | Impaired fasting glucose with or without impaired glucose tolerance: progressive or parallel states of prediabetes?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 295, E428-E435. | 3.5 | 34 |
| 39 | Lifestyle and Metformin Ameliorate Insulin Sensitivity Independently of the Genetic Burden of Established Insulin Resistance Variants in Diabetes Prevention Program Participants. <i>Diabetes</i> , 2016, 65, 520-526. | 0.6 | 34 |
| 40 | Return on Investment for Digital Behavioral Counseling in Patients With Prediabetes and Cardiovascular Disease. <i>Preventing Chronic Disease</i> , 2016, 13, E13. | 3.4 | 31 |
| 41 | Inflexibility in Intramuscular Triglyceride Fractional Synthesis Distinguishes Prediabetes From Obesity in Humans. <i>Obesity</i> , 2010, 18, 1524-1531. | 3.0 | 29 |
| 42 | Depression as a Predictor of Weight Regain Among Successful Weight Losers in the Diabetes Prevention Program. <i>Diabetes Care</i> , 2013, 36, 216-221. | 8.6 | 28 |
| 43 | Bisphenol A Impairs Hepatic Glucose Sensing in C57BL/6 Male Mice. <i>PLoS ONE</i> , 2013, 8, e69991. | 2.5 | 26 |
| 44 | Optimizing Fixed-Ratio Combination Therapy in Type 2 Diabetes. <i>Advances in Therapy</i> , 2019, 36, 265-277. | 2.9 | 26 |
| 45 | Non-traditional biomarkers and incident diabetes in the Diabetes Prevention Program: comparative effects of lifestyle and metformin interventions. <i>Diabetologia</i> , 2019, 62, 58-69. | 6.3 | 25 |
| 46 | Metabolite Profiles of Incident Diabetes and Heterogeneity of Treatment Effect in the Diabetes Prevention Program. <i>Diabetes</i> , 2019, 68, 2337-2349. | 0.6 | 22 |
| 47 | Incretin action maintains insulin secretion, but not hepatic insulin action, in people with impaired fasting glucose. <i>Diabetes Research and Clinical Practice</i> , 2010, 90, 87-94. | 2.8 | 19 |
| 48 | Change in adiponectin explains most of the change in HDL particles induced by lifestyle intervention but not metformin treatment in the Diabetes Prevention Program. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 764-775. | 3.4 | 19 |
| 49 | Changes in Glucose Metabolism and Glycemic Status With Once-Weekly Subcutaneous Semaglutide 2.4 mg Among Participants With Prediabetes in the STEP Program. <i>Diabetes Care</i> , 2022, 45, 2396-2405. | 8.6 | 19 |
| 50 | Gender differences in insulin action after a single bout of exercise. <i>Journal of Applied Physiology</i> , 2004, 97, 1013-1021. | 2.5 | 18 |
| 51 | Dietary Fatty Acids Differentially Associate with Fasting Versus 2-Hour Glucose Homeostasis: Implications for The Management of Subtypes of Prediabetes. <i>PLoS ONE</i> , 2016, 11, e0150148. | 2.5 | 18 |
| 52 | Fenofibrate administration does not affect muscle triglyceride concentration or insulin sensitivity in humans. <i>Metabolism: Clinical and Experimental</i> , 2011, 60, 1107-1114. | 3.4 | 14 |
| 53 | Hepatic Glucose Sensing Is Impaired, but Can Be Normalized, in People With Impaired Fasting Glucose. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E1154-E1162. | 3.6 | 14 |
| 54 | Biomarkers of Ectopic Fat Deposition: The Next Frontier in Serum Lipidomics. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 176-182. | 3.6 | 14 |

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|----|--|-----|-----------|
| 55 | Subcellular localisation and composition of intramuscular triacylglycerol influence insulin sensitivity in humans. <i>Diabetologia</i> , 2021, 64, 168-180. | 6.3 | 13 |
| 56 | The Association Between Type 2 Diabetes and Cardiovascular Disease: The "For Your SweetHeart" Survey. <i>Advances in Therapy</i> , 2019, 36, 746-755. | 2.9 | 9 |
| 57 | Sex Differences in Insulin Sensitivity are Related to Muscle Tissue Acylcarnitine But Not Subcellular Lipid Distribution. <i>Obesity</i> , 2021, 29, 550-561. | 3.0 | 9 |
| 58 | Patient-Centered Goal-Setting in the National Diabetes Prevention Program: A Pilot Study. <i>Diabetes Care</i> , 2021, 44, 2464-2469. | 8.6 | 9 |
| 59 | Can Cardiovascular Epidemiology and Clinical Trials Close the Risk Management Gap Between Diabetes and Prediabetes?. <i>Current Diabetes Reports</i> , 2017, 17, 77. | 4.2 | 7 |
| 60 | Effects of ad libitum food intake, insufficient sleep and weekend recovery sleep on energy balance. <i>Sleep</i> , 2021, 44, . | 1.1 | 7 |
| 61 | Circulating sex hormone binding globulin levels are modified with intensive lifestyle intervention, but their changes did not independently predict diabetes risk in the Diabetes Prevention Program. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001841. | 2.8 | 5 |
| 62 | What predicts regression from pre-diabetes to normal glucose regulation following a primary care nurse-delivered dietary intervention? A study protocol for a prospective cohort study. <i>BMJ Open</i> , 2019, 9, e033358. | 1.9 | 4 |
| 63 | Hepatic Fat in Participants With and Without Incident Diabetes in the Diabetes Prevention Program Outcome Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e4746-e4765. | 3.6 | 4 |
| 64 | EMPA-REG OUTCOME: The Endocrinologist's Point of View. <i>American Journal of Medicine</i> , 2017, 130, S51-S56. | 1.5 | 3 |
| 65 | Where can obesity management policy make the largest impact? Evaluating sub-populations through a microsimulation approach. <i>Journal of Medical Economics</i> , 2018, 21, 936-943. | 2.1 | 3 |
| 66 | EMPA-REG OUTCOME: The Endocrinologist's Point of View. <i>American Journal of Cardiology</i> , 2017, 120, S48-S52. | 1.6 | 2 |
| 67 | Goals for Medical Treatment in Obesity and Prediabetes: Improving Outcomes for Both. <i>Endocrine Practice</i> , 2018, 24, 1093-1098. | 2.1 | 1 |
| 68 | 0108 Insufficient Sleep Alters After-Dinner Consumption of High-Carbohydrate Snacks. <i>Sleep</i> , 2019, 42, A44-A45. | 1.1 | 0 |