

Luke Norton

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

3,381
citations

218677

26
h-index

223800

46
g-index

49
all docs

49
docs citations

49
times ranked

4934
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Effects of Sustained Hyperglycemia on Skeletal Muscle Lipids in Healthy Subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e3177-e3185. | 3.6 | 4 |
| 2 | FGF21 contributes to metabolic improvements elicited by combination therapy with exenatide and pioglitazone in patients with type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 323, E123-E132. | 3.5 | 4 |
| 3 | Further evidence supporting a potential role for ADH1B in obesity. <i>Scientific Reports</i> , 2021, 11, 1932. | 3.3 | 11 |
| 4 | Proximal tubular epithelial insulin receptor mediates high-fat diet-induced kidney injury. <i>JCI Insight</i> , 2021, 6, . | 5.0 | 8 |
| 5 | Insulin resistance is mechanistically linked to hepatic mitochondrial remodeling in non-alcoholic fatty liver disease. <i>Molecular Metabolism</i> , 2021, 45, 101154. | 6.5 | 33 |
| 6 | Therapeutic Manipulation of Myocardial Metabolism. <i>Journal of the American College of Cardiology</i> , 2021, 77, 2022-2039. | 2.8 | 40 |
| 7 | The Insulin-Sensitizer Pioglitazone Remodels Adipose Tissue Phospholipids in Humans. <i>Frontiers in Physiology</i> , 2021, 12, 784391. | 2.8 | 13 |
| 8 | Lactate Elicits ER-Mitochondrial Mg ²⁺ Dynamics to Integrate Cellular Metabolism. <i>Cell</i> , 2020, 183, 474-489.e17. | 28.9 | 84 |
| 9 | Regulation of ANGPTL8 in liver and adipose tissue by nutritional and hormonal signals and its effect on glucose homeostasis in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E613-E624. | 3.5 | 14 |
| 10 | Mitochondrial pyruvate and fatty acid flux modulate MICU1-dependent control of MCU activity. <i>Science Signaling</i> , 2020, 13, . | 3.6 | 48 |
| 11 | The tumor suppressor TMEM127 regulates insulin sensitivity in a tissue-specific manner. <i>Nature Communications</i> , 2019, 10, 4720. | 12.8 | 14 |
| 12 | Blockade of MCU-Mediated Ca ²⁺ Uptake Perturbs Lipid Metabolism via PP4-Dependent AMPK Dephosphorylation. <i>Cell Reports</i> , 2019, 26, 3709-3725.e7. | 6.4 | 58 |
| 13 | The Diabetes Gene and Wnt Pathway Effector TCF7L2 Regulates Adipocyte Development and Function. <i>Diabetes</i> , 2018, 67, 554-568. | 0.6 | 94 |
| 14 | Effect of Chronic Hyperglycemia on Glucose Metabolism in Subjects With Normal Glucose Tolerance. <i>Diabetes</i> , 2018, 67, 2507-2517. | 0.6 | 26 |
| 15 | Empagliflozin and Kinetics of Renal Glucose Transport in Healthy Individuals and Individuals With Type 2 Diabetes. <i>Diabetes</i> , 2017, 66, 1999-2006. | 0.6 | 67 |
| 16 | Sodium-glucose cotransporter (SGLT) and glucose transporter (GLUT) expression in the kidney of type 2 diabetic subjects. <i>Diabetes, Obesity and Metabolism</i> , 2017, 19, 1322-1326. | 4.4 | 74 |
| 17 | Renal, metabolic and cardiovascular considerations of SGLT2 inhibition. <i>Nature Reviews Nephrology</i> , 2017, 13, 11-26. | 9.6 | 398 |
| 18 | Pioglitazone inhibits mitochondrial pyruvate metabolism and glucose production in hepatocytes. <i>FEBS Journal</i> , 2017, 284, 451-465. | 4.7 | 27 |

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|----|---|------|-----------|
| 19 | FGF21 Is an Insulin-Dependent Postprandial Hormone in Adult Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 3806-3813. | 3.6 | 54 |
| 20 | Increased lipid availability for three days reduces whole body glucose uptake, impairs muscle mitochondrial function and initiates opposing effects on PGC-1 α promoter methylation in healthy subjects. <i>PLoS ONE</i> , 2017, 12, e0188208. | 2.5 | 6 |
| 21 | Dapagliflozin Enhances Fat Oxidation and Ketone Production in Patients With Type 2 Diabetes. <i>Diabetes Care</i> , 2016, 39, 2036-2041. | 8.6 | 155 |
| 22 | Revitalization of pioglitazone: the optimum agent to be combined with a sodium-glucose co-transporter α 2 inhibitor. <i>Diabetes, Obesity and Metabolism</i> , 2016, 18, 454-462. | 4.4 | 44 |
| 23 | Transcriptomic Identification of ADH1B as a Novel Candidate Gene for Obesity and Insulin Resistance in Human Adipose Tissue in Mexican Americans from the Veterans Administration Genetic Epidemiology Study (VAGES). <i>PLoS ONE</i> , 2015, 10, e0119941. | 2.5 | 35 |
| 24 | Renal sodium-glucose cotransporter inhibition in the management of type 2 diabetes mellitus. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, F889-F900. | 2.7 | 113 |
| 25 | Strong Association Between Insulin-Mediated Glucose Uptake and the 2-Hour, Not the Fasting Plasma Glucose Concentration, in the Normal Glucose Tolerance Range. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 3444-3449. | 3.6 | 9 |
| 26 | The mechanisms of genome-wide target gene regulation by TCF7L2 in liver cells. <i>Nucleic Acids Research</i> , 2014, 42, 13646-13661. | 14.5 | 37 |
| 27 | Dapagliflozin improves muscle insulin sensitivity but enhances endogenous glucose production. <i>Journal of Clinical Investigation</i> , 2014, 124, 509-514. | 8.2 | 661 |
| 28 | Independent and combined effects of acute physiological hyperglycaemia and hyperinsulinaemia on metabolic gene expression in human skeletal muscle. <i>Clinical Science</i> , 2013, 124, 675-686. | 4.3 | 22 |
| 29 | Novel Hypothesis to Explain Why SGLT2 Inhibitors Inhibit Only 30-50% of Filtered Glucose Load in Humans. <i>Diabetes</i> , 2013, 62, 3324-3328. | 0.6 | 198 |
| 30 | Linkage of Type 2 Diabetes on Chromosome 9p24 in Mexican Americans: Additional Evidence from the Veterans Administration Genetic Epidemiology Study (VAGES). <i>Human Heredity</i> , 2013, 76, 36-46. | 0.8 | 4 |
| 31 | Distinct β -Cell Defects in Impaired Fasting Glucose and Impaired Glucose Tolerance. <i>Diabetes</i> , 2012, 61, 447-453. | 0.6 | 96 |
| 32 | Efficacy and Safety of SGLT2 Inhibitors in the Treatment of Type 2 Diabetes Mellitus. <i>Current Diabetes Reports</i> , 2012, 12, 230-238. | 4.2 | 97 |
| 33 | Lentivirus shRNA Grb10 targeting the pancreas induces apoptosis and improved glucose tolerance due to decreased plasma glucagon levels. <i>Diabetologia</i> , 2012, 55, 719-728. | 6.3 | 26 |
| 34 | Impaired early- but not late-phase insulin secretion in subjects with impaired fasting glucose. <i>Acta Diabetologica</i> , 2011, 48, 209-217. | 2.5 | 55 |
| 35 | Chromatin occupancy of transcription factor 7-like 2 (TCF7L2) and its role in hepatic glucose metabolism. <i>Diabetologia</i> , 2011, 54, 3132-3142. | 6.3 | 79 |
| 36 | The Relationship Between β -Cell Function and Glycated Hemoglobin: Results from the Veterans Administration Genetic Epidemiology Study. <i>Diabetes Care</i> , 2011, 34, 1006-1010. | 8.6 | 53 |

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|----|--|------|-----------|
| 37 | Role of Sodium-Glucose Cotransporter 2 (SGLT 2) Inhibitors in the Treatment of Type 2 Diabetes. <i>Endocrine Reviews</i> , 2011, 32, 515-531. | 20.1 | 344 |
| 38 | Basal and insulin-stimulated pyruvate dehydrogenase complex activation, glycogen synthesis and metabolic gene expression in human skeletal muscle the day after a single bout of exercise. <i>Experimental Physiology</i> , 2010, 95, 808-818. | 2.0 | 14 |
| 39 | Calpain-10 Gene and Protein Expression in Human Skeletal Muscle: Effect of Acute Lipid-Induced Insulin Resistance and Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 992-998. | 3.6 | 8 |
| 40 | High-Fat/Low-Carbohydrate Diet Reduces Insulin-Stimulated Carbohydrate Oxidation but Stimulates Nonoxidative Glucose Disposal in Humans: An Important Role for Skeletal Muscle Pyruvate Dehydrogenase Kinase 4. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 284-292. | 3.6 | 70 |
| 41 | Effect of exercise and insulin on SREBP-1c expression in human skeletal muscle: potential roles for the ERK1/2 and Akt signalling pathways. <i>Biochemical Society Transactions</i> , 2007, 35, 1310-1311. | 3.4 | 23 |
| 42 | Elevated Free Fatty Acids Attenuate the Insulin-Induced Suppression of PDK4 Gene Expression in Human Skeletal Muscle: Potential Role of Intramuscular Long-Chain Acyl-Coenzyme A. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 3967-3972. | 3.6 | 58 |
| 43 | Characterization of GLUT4 and calpain expression in healthy human skeletal muscle during fasting and refeeding. <i>Acta Physiologica</i> , 2007, 189, 233-240. | 3.8 | 18 |
| 44 | Skeletal muscle fatty acid transporter protein expression in type 2 diabetes patients compared with overweight, sedentary men and age-matched, endurance-trained cyclists. <i>Acta Physiologica</i> , 2007, 190, 209-219. | 3.8 | 22 |
| 45 | Exercise under hyperinsulinaemic conditions increases whole-body glucose disposal without affecting muscle glycogen utilisation in type 1 diabetes. <i>Diabetologia</i> , 2007, 50, 414-421. | 6.3 | 41 |
| 46 | Hyperinsulinaemia during exercise does not suppress hepatic glycogen concentrations in patients with type 1 diabetes: a magnetic resonance spectroscopy study. <i>Diabetologia</i> , 2007, 50, 1921-1929. | 6.3 | 22 |