

# Adam J Rose

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

4,305  
citations

76326

40  
h-index

133252

59  
g-index

63  
all docs

63  
docs citations

63  
times ranked

6424  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Liver alanine catabolism promotes skeletal muscle atrophy and hyperglycaemia in type 2 diabetes. <i>Nature Metabolism</i> , 2021, 3, 394-409.  | 11.9 | 48        |
| 2  | Dietary Essential Amino Acid Restriction Promotes Hyperdipsia via Hepatic FGF21. <i>Nutrients</i> , 2021, 13, 1469.  | 4.1  | 5         |
| 3  | Effects of Short-Term Dietary Protein Restriction on Blood Amino Acid Levels in Young Men. <i>Nutrients</i> , 2020, 12, 2195.  | 4.1  | 5         |
| 4  | Restriction of essential amino acids dictates the systemic metabolic response to dietary protein dilution. <i>Nature Communications</i> , 2020, 11, 2894.                            | 12.8 | 71        |
| 5  | Amino Acid Nutrition and Metabolism in Health and Disease. <i>Nutrients</i> , 2019, 11, 2623.  | 4.1  | 37        |
| 6  | Role of Peptide Hormones in the Adaptation to Altered Dietary Protein Intake. <i>Nutrients</i> , 2019, 11, 1990.   | 4.1  | 9         |
| 7  | Branched-chain amino acids impact health and lifespan indirectly via amino acid balance and appetite control. <i>Nature Metabolism</i> , 2019, 1, 532-545.                           | 11.9 | 207       |
| 8  | Dietary protein and age-dependent female fertility: FGF21 trumps mTORC1. <i>EBioMedicine</i> , 2019, 41, 32-33.  | 6.1  | 1         |
| 9  | Platelet GPIb $\alpha$ is a mediator and potential interventional target for NASH and subsequent liver cancer. <i>Nature Medicine</i> , 2019, 25, 641-655.                           | 30.7 | 259       |
| 10 | The glucocorticoid receptor in brown adipocytes is dispensable for control of energy homeostasis. <i>EMBO Reports</i> , 2019, 20, e48552.  | 4.5  | 16        |
| 11 | Dietary protein dilution limits dyslipidemia in obesity through FGF21-driven fatty acid clearance. <i>Journal of Nutritional Biochemistry</i> , 2018, 57, 189-196.                   | 4.2  | 31        |
| 12 | Inhibition of Endothelial Notch Signaling Impairs Fatty Acid Transport and Leads to Metabolic and Vascular Remodeling of the Adult Heart. <i>Circulation</i> , 2018, 137, 2592-2608. | 1.6  | 103       |
| 13 | Upregulation of tryptophanyl-tRNA synthetase adapts human cancer cells to nutritional stress caused by tryptophan degradation. <i>Oncotarget</i> , 2018, 7, e1486353.                | 4.6  | 62        |
| 14 | Repletion of branched chain amino acids reverses mTORC1 signaling but not improved metabolism during dietary protein dilution. <i>Molecular Metabolism</i> , 2017, 6, 873-881.       | 6.5  | 54        |
| 15 | Fasting-induced liver C/EBP $\alpha$ restrains hepatic fatty acid uptake and improves metabolic health. <i>EMBO Molecular Medicine</i> , 2016, 8, 654-669.                           | 6.9  | 32        |
| 16 | Mouse redox histology using genetically encoded probes. <i>Science Signaling</i> , 2016, 9, rs1.   | 3.6  | 62        |
| 17 | Control of diabetic hyperglycaemia and insulin resistance through TSC22D4. <i>Nature Communications</i> , 2016, 7, 13267.  | 12.8 | 27        |
| 18 | A liver stress-endocrine nexus promotes metabolic integrity during dietary protein dilution. <i>Journal of Clinical Investigation</i> , 2016, 126, 3263-3278.                        | 8.2  | 138       |

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|----|--|------|-----------|
| 19 | Transcriptional co-factor Transducin beta-like ( <a href="#">TBL</a> ) 1 acts as a checkpoint in pancreatic cancer malignancy. <i>EMBO Molecular Medicine</i> , 2015, 7, 1048-1062.  | 6.9  | 12        |
| 20 | micro <a href="#">RNA</a> <a href="#">379</a> couples glucocorticoid hormones to dysfunctional lipid homeostasis. <i>EMBO Journal</i> , 2015, 34, 344-360.   | 7.8  | 43        |
| 21 | Molecular regulation of urea cycle function by the liver glucocorticoid receptor. <i>Molecular Metabolism</i> , 2015, 4, 732-740.  | 6.5  | 44        |
| 22 | Mice lacking neutral amino acid transporter B0AT1 (Slc6a19) have elevated levels of FGF21 and GLP-1 and improved glycaemic control. <i>Molecular Metabolism</i> , 2015, 4, 406-417.  | 6.5  | 71        |
| 23 | Glucocorticoid hormones and energy homeostasis. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2014, 19, 117-128.   | 0.7  | 52        |
| 24 | Contraction-stimulated glucose transport in muscle is controlled by AMPK and mechanical stress but not sarcoplasmic reticulum Ca <sup>2+</sup> release. <i>Molecular Metabolism</i> , 2014, 3, 742-753.                              | 6.5  | 65        |
| 25 | 11 $\beta$ -Hydroxysteroid dehydrogenase-1 is involved in bile acid homeostasis by modulating fatty acid transport protein-5 in the liver of mice. <i>Molecular Metabolism</i> , 2014, 3, 554-564.                                   | 6.5  | 11        |
| 26 | Browning of White Adipose Tissue Uncouples Glucose Uptake from Insulin Signaling. <i>PLoS ONE</i> , 2014, 9, e110428.  | 2.5  | 42        |
| 27 | Metabolic control through glucocorticoid hormones: An update. <i>Molecular and Cellular Endocrinology</i> , 2013, 380, 65-78.  | 3.2  | 109       |
| 28 | Hepatic Deficiency in Transcriptional Cofactor TBL1 Promotes Liver Steatosis and Hypertriglyceridemia. <i>Cell Metabolism</i> , 2011, 13, 389-400.   | 16.2 | 49        |
| 29 | Molecular Control of Systemic Bile Acid Homeostasis by the Liver Glucocorticoid Receptor. <i>Cell Metabolism</i> , 2011, 14, 123-130.  | 16.2 | 77        |
| 30 | Contraction-induced skeletal muscle FAT/CD36 trafficking and FA uptake is AMPK independent. <i>Journal of Lipid Research</i> , 2011, 52, 699-711.  | 4.2  | 67        |
| 31 | Effect of antioxidant supplementation on insulin sensitivity in response to endurance exercise training. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 300, E761-E770.                                | 3.5  | 70        |
| 32 | Protein kinase C $\delta$ activity is important for contraction-induced FXR1 phosphorylation in skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 301, R1808-R1814. | 1.8  | 21        |
| 33 | Antioxidant Supplementation Does Not Alter Endurance Training Adaptation. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 1388-1395.  | 0.4  | 150       |
| 34 | Contraction intensity and feeding affect collagen and myofibrillar protein synthesis rates differently in human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 298, E257-E269.        | 3.5  | 107       |
| 35 | Control of Adipose Tissue Inflammation Through TRB1. <i>Diabetes</i> , 2010, 59, 1991-2000.  | 0.6  | 58        |
| 36 | Role of glucocorticoids and the glucocorticoid receptor in metabolism: Insights from genetic manipulations. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010, 122, 10-20.   | 2.5  | 97        |

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|----|--|-----|-----------|
| 37 | Knockout of the predominant conventional PKC isoform, PKC $\delta$ , in mouse skeletal muscle does not affect contraction-stimulated glucose uptake. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E340-E348.  | 3.5 | 21        |
| 38 | Dysregulation of Glycogen Synthase COOH- and NH <sub>2</sub> -Terminal Phosphorylation by Insulin in Obesity and Type 2 Diabetes Mellitus. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 4547-4556.                          | 3.6 | 64        |
| 39 | Regulatory mechanisms of skeletal muscle protein turnover during exercise. Journal of Applied Physiology, 2009, 106, 1702-1711.  | 2.5 | 50        |
| 40 | Effects of contraction on localization of GLUT4 and v-SNARE isoforms in rat skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R1228-R1237.                                   | 1.8 | 31        |
| 41 | Genetic impairment of AMPK $\alpha$ 2 signaling does not reduce muscle glucose uptake during treadmill exercise in mice. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E924-E934.                              | 3.5 | 78        |
| 42 | Skeletal muscle eEF2 and 4EBP1 phosphorylation during endurance exercise is dependent on intensity and muscle fiber type. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R326-R333.        | 1.8 | 53        |
| 43 | A Ca <sup>2+</sup> -calmodulin-eEF2K-eEF2 signalling cascade, but not AMPK, contributes to the suppression of skeletal muscle protein synthesis during contractions. Journal of Physiology, 2009, 587, 1547-1563.                          | 2.9 | 85        |
| 44 | How is AMPK activity regulated in skeletal muscles during exercise?. Frontiers in Bioscience - Landmark, 2008, Volume, 5589.   | 3.0 | 37        |
| 45 | Effect of training in the fasted state on metabolic responses during exercise with carbohydrate intake. Journal of Applied Physiology, 2008, 104, 1045-1055.   | 2.5 | 113       |
| 46 | AS160 phosphorylation is associated with activation of $\beta$ -but not $\alpha$ -AMPK trimeric complex in skeletal muscle during exercise in humans. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E715-E722. | 3.5 | 115       |
| 47 | Caffeine-induced Ca <sup>2+</sup> release increases AMPK-dependent glucose uptake in rodent soleus muscle. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E286-E292.  | 3.5 | 119       |
| 48 | Possible CaMKK-dependent regulation of AMPK phosphorylation and glucose uptake at the onset of mild tetanic skeletal muscle contraction. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E1308-E1317.            | 3.5 | 177       |
| 49 | Effects of Endurance Exercise Training on Insulin Signaling in Human Skeletal Muscle. Diabetes, 2007, 56, 2093-2102.   | 0.6 | 162       |
| 50 | Regulation and function of Ca <sup>2+</sup> -calmodulin-dependent protein kinase II of fast-twitch rat skeletal muscle. Journal of Physiology, 2007, 580, 993-1005.  | 2.9 | 30        |
| 51 | Effect of endurance exercise training on Ca <sup>2+</sup> -calmodulin-dependent protein kinase II expression and signalling in skeletal muscle of humans. Journal of Physiology, 2007, 583, 785-795.                                       | 2.9 | 69        |
| 52 | Glucose phosphorylation is/is not a significant barrier to muscle glucose uptake by the working muscle. Journal of Applied Physiology, 2006, 101, 1809-1809.   | 2.5 | 1         |
| 53 | Ca <sup>2+</sup> -calmodulin-dependent protein kinase expression and signalling in skeletal muscle during exercise. Journal of Physiology, 2006, 574, 889-903.   | 2.9 | 198       |
| 54 | Exercise rapidly increases eukaryotic elongation factor 2 phosphorylation in skeletal muscle of men. Journal of Physiology, 2005, 569, 223-228.  | 2.9 | 83        |

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|----|---|-----|-----------|
| 55 | Skeletal Muscle Glucose Uptake During Exercise: How is it Regulated?. Physiology, 2005, 20, 260-270.  | 3.1 | 265       |
| 56 | Effect of exercise on protein kinase C activity and localization in human skeletal muscle. Journal of Physiology, 2004, 561, 861-870.                     | 2.9 | 48        |
| 57 | Exercise Increases Ca <sup>2+</sup> -Calmodulin-Dependent Protein Kinase II Activity in Human Skeletal Muscle. Journal of Physiology, 2003, 553, 303-309. | 2.9 | 136       |
| 58 | Effect of prior exercise on glucose metabolism in trained men. American Journal of Physiology - Endocrinology and Metabolism, 2001, 281, E766-E771.       | 3.5 | 56        |