

# Greg M Kowalski

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,310  
citations

394421

19  
h-index

361022

35  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2580  
citing authors

#	ARTICLE	IF	CITATIONS
1	Creatine supplementation reduces the cerebral oxidative and metabolic stress responses to acute in utero hypoxia in the late-gestation fetal sheep. <i>Journal of Physiology</i> , 2022, 600, 3193-3210.	2.9	6
2	Autophagy is not involved in lipid accumulation and the development of insulin resistance in skeletal muscle. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 533-539.	2.1	4
3	Insulin resistance in type 1 diabetes managed with metformin (INTIMET): Study protocol of a double-blind placebo-controlled, randomised trial. <i>Diabetic Medicine</i> , 2021, 38, e14564.	2.3	6
4	Baseline serum amino acid levels predict treatment response to augmentation with N-acetylcysteine (NAC) in a bipolar disorder randomised trial. <i>Journal of Psychiatric Research</i> , 2021, 142, 376-383.	3.1	1
5	Translating glucose tolerance data from mice to humans: Insights from stable isotope labelled glucose tolerance tests. <i>Molecular Metabolism</i> , 2021, 53, 101281.	6.5	16
6	An Ethanolic Extract of <i>Artemisia dracuncululus</i> L. Enhances the Metabolic Benefits of Exercise in Diet-induced Obese Mice. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 712-723.	0.4	2
7	An obesogenic maternal environment impairs mouse growth patterns, satellite cell activation, and markers of postnatal myogenesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E1008-E1018.	3.5	5
8	The assimilation of glycerol into lipid acyl chains and associated carbon backbones of <i>Nannochloropsis salina</i> varies under nitrogen replete and deplete conditions. <i>Biotechnology and Bioengineering</i> , 2020, 117, 3299-3309.	3.3	3
9	Loss of protein kinase D activity demonstrates redundancy in cardiac glucose metabolism and preserves cardiac function in obesity. <i>Molecular Metabolism</i> , 2020, 42, 101105.	6.5	5
10	Ultrahigh-Resolution Mass Spectrometry Method for Resolving <sup>13</sup> C-Enrichment Patterns in a Microalgal Lipidome. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1763-1772.	2.8	1
11	Dynamic glucose disposal is driven by reduced endogenous glucose production in response to voluntary wheel running: a stable isotope approach. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E2-E10.	3.5	6
12	Mapping the Associations of the Plasma Lipidome With Insulin Resistance and Response to an Oral Glucose Tolerance Test. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e1041-e1055.	3.6	11
13	The Effects of Early-Onset Pre-Eclampsia on Placental Creatine Metabolism in the Third Trimester. <i>International Journal of Molecular Sciences</i> , 2020, 21, 806.	4.1	10
14	Placental creatine metabolism in cases of placental insufficiency and reduced fetal growth. <i>Molecular Human Reproduction</i> , 2019, 25, 495-505.	2.8	15
15	Phosphatidylserine decarboxylase is critical for the maintenance of skeletal muscle mitochondrial integrity and muscle mass. <i>Molecular Metabolism</i> , 2019, 27, 33-46.	6.5	29
16	Mechanisms of hyperinsulinaemia in apparently healthy non-obese young adults: role of insulin secretion, clearance and action and associations with plasma amino acids. <i>Diabetologia</i> , 2019, 62, 2310-2324.	6.3	17
17	Treatment of type 2 diabetes with the designer cytokine IC7Fc. <i>Nature</i> , 2019, 574, 63-68.	27.8	55
18	Reduced insulin action in muscle of high fat diet rats over the diurnal cycle is not associated with defective insulin signaling. <i>Molecular Metabolism</i> , 2019, 25, 107-118.	6.5	11

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19	Postprandial Aminogenic Insulin and Glucagon Secretion Can Stimulate Glucose Flux in Humans. <i>Diabetes</i> , 2019, 68, 939-946.	0.6	39
20	Modest changes to glycemic regulation are sufficient to maintain glucose fluxes in healthy young men following overfeeding with a habitual macronutrient composition. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E1061-E1070.	3.5	6
21	UNICORN Babies: Understanding Circulating and Cerebral Creatine Levels of the Preterm Infant. An Observational Study Protocol. <i>Frontiers in Physiology</i> , 2019, 10, 142.	2.8	5
22	AgRP Neurons Require Carnitine Acetyltransferase to Regulate Metabolic Flexibility and Peripheral Nutrient Partitioning. <i>Cell Reports</i> , 2018, 22, 1745-1759.	6.4	30
23	Measurement of postprandial glucose fluxes in response to acute and chronic endurance exercise in healthy humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 314, E503-E511.	3.5	19
24	Endogenous glucose production after sequential meals in humans: evidence for more prolonged suppression after ingestion of a second meal. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E904-E911.	3.5	6
25	A selective inhibitor of ceramide synthase 1 reveals a novel role in fat metabolism. <i>Nature Communications</i> , 2018, 9, 3165.	12.8	93
26	Creatine biosynthesis and transport by the term human placenta. <i>Placenta</i> , 2017, 52, 86-93.	1.5	16
27	Lysine post-translational modification of glyceraldehyde-3-phosphate dehydrogenase regulates hepatic and systemic metabolism. <i>FASEB Journal</i> , 2017, 31, 2592-2602.	0.5	31
28	Does maternal-fetal transfer of creatine occur in pregnant sheep?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 313, E75-E83.	3.5	12
29	Resolution of glucose intolerance in long-term high-fat, high-sucrose-fed mice. <i>Journal of Endocrinology</i> , 2017, 233, 269-279.	2.6	16
30	The Effect of Ingested Glucose Dose on the Suppression of Endogenous Glucose Production in Humans. <i>Diabetes</i> , 2017, 66, 2400-2406.	0.6	24
31	Strategies for Extending Metabolomics Studies with Stable Isotope Labelling and Fluxomics. <i>Metabolites</i> , 2016, 6, 32.	2.9	25
32	Analysis of Mammalian Cell Proliferation and Macromolecule Synthesis Using Deuterated Water and Gas Chromatography-Mass Spectrometry. <i>Metabolites</i> , 2016, 6, 34.	2.9	23
33	Overexpression of Striated Muscle Activator of Rho Signaling (STARS) Increases C2C12 Skeletal Muscle Cell Differentiation. <i>Frontiers in Physiology</i> , 2016, 7, 7.	2.8	20
34	Reversing diet-induced metabolic dysregulation by diet switching leads to altered hepatic de novo lipogenesis and glycerolipid synthesis. <i>Scientific Reports</i> , 2016, 6, 27541.	3.3	25
35	In vivo cardiac glucose metabolism in the high-fat fed mouse: Comparison of euglycemic-hyperinsulinemic clamp derived measures of glucose uptake with a dynamic metabolomic flux profiling approach. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 818-824.	2.1	12
36	Application of dynamic metabolomics to examine in vivo skeletal muscle glucose metabolism in the chronically high-fat fed mouse. <i>Biochemical and Biophysical Research Communications</i> , 2015, 462, 27-32.	2.1	47

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37	The CDP-Ethanolamine Pathway Regulates Skeletal Muscle Diacylglycerol Content and Mitochondrial Biogenesis without Altering Insulin Sensitivity. <i>Cell Metabolism</i> , 2015, 21, 718-730.	16.2	83
38	Overexpression of sphingosine kinase 1 in liver reduces triglyceride content in mice fed a low but not high-fat diet. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 210-219.	2.4	33
39	The regulation of glucose metabolism: implications and considerations for the assessment of glucose homeostasis in rodents. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E859-E871.	3.5	115
40	PLIN5 deletion remodels intracellular lipid composition and causes insulin resistance in muscle. <i>Molecular Metabolism</i> , 2014, 3, 652-663.	6.5	97
41	Plasma Sphingosine-1-Phosphate Is Elevated in Obesity. <i>PLoS ONE</i> , 2013, 8, e72449.	2.5	139
42	Overexpression of Sphingosine Kinase 1 Prevents Ceramide Accumulation and Ameliorates Muscle Insulin Resistance in High-Fat Diet-Fed Mice. <i>Diabetes</i> , 2012, 61, 3148-3155.	0.6	126
43	Hematopoietic Cell-Restricted Deletion of CD36 Reduces High-Fat Diet-Induced Macrophage Infiltration and Improves Insulin Signaling in Adipose Tissue. <i>Diabetes</i> , 2011, 60, 1100-1110.	0.6	65