Greg M Kowalski

List of Publications by Year
in descending order

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	Plasma Sphingosine-1-Phosphate Is Elevated in Obesity. PLoS ONE, 2013, 8, e72449.	2.5	139
2	Overexpression of Sphingosine Kinase 1 Prevents Ceramide Accumulation and Ameliorates Muscle Insulin Resistance in High-Fat Dietâ€“Fed Mice. Diabetes, 2012, 61, 3148-3155.	0.6	126
3	The regulation of glucose metabolism: implications and considerations for the assessment of glucose homeostasis in rodents. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E859-E871.	3.5	115
4	PLIN5 deletion remodels intracellular lipid composition and causes insulin resistance in muscle. Molecular Metabolism, 2014, 3, 652-663.	6.5	97
5	A selective inhibitor of ceramide synthase 1 reveals a novel role in fat metabolism. Nature Communications, 2018, 9, 3165.	12.8	93
6	The CDP-Ethanolamine Pathway Regulates Skeletal Muscle Diacylglycerol Content and Mitochondrial Biogenesis without Altering Insulin Sensitivity. Cell Metabolism, 2015, 21, 718-730.	16.2	83
7	Hematopoietic Cellâ€“Restricted Deletion of CD36 Reduces High-Fat Dietâ€“Induced Macrophage Infiltration and Improves Insulin Signaling in Adipose Tissue. Diabetes, 2011, 60, 1100-1110.	0.6	65
8	Treatment of type 2 diabetes with the designer cytokine IC7Fc. Nature, 2019, 574, 63-68.	27.8	55
9	Application of dynamic metabolomics to examine inÂvivo skeletal muscle glucose metabolism in the chronically high-fat fed mouse. Biochemical and Biophysical Research Communications, 2015, 462, 27-32.	2.1	47
10	Postprandial Aminogenic Insulin and Glucagon Secretion Can Stimulate Glucose Flux in Humans. Diabetes, 2019, 68, 939-946.	0.6	39
11	Overexpression of sphingosine kinase 1 in liver reduces triglyceride content in mice fed a low but not high-fat diet. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 210-219.	2.4	33
12	Lysine postâ€translational modification of glyceraldehydeâ€3â€phosphate dehydrogenase regulates hepatic and systemic metabolism. FASEB Journal, 2017, 31, 2592-2602.	0.5	31
13	AgRP Neurons Require Carnitine Acetyltransferase to Regulate Metabolic Flexibility and Peripheral Nutrient Partitioning. Cell Reports, 2018, 22, 1745-1759.	6.4	30
14	Phosphatidylserine decarboxylase is critical for the maintenance of skeletal muscle mitochondrial integrity and muscle mass. Molecular Metabolism, 2019, 27, 33-46.	6.5	29
15	Strategies for Extending Metabolomics Studies with Stable Isotope Labelling and Fluxomics. Metabolites, 2016, 6, 32.	2.9	25
16	Reversing diet-induced metabolic dysregulation by diet switching leads to altered hepatic de novo lipogenesis and glycerolipid synthesis. Scientific Reports, 2016, 6, 27541.	3.3	25
17	The Effect of Ingested Glucose Dose on the Suppression of Endogenous Glucose Production in Humans. Diabetes, 2017, 66, 2400-2406.	0.6	24
18	Analysis of Mammalian Cell Proliferation and Macromolecule Synthesis Using Deuterated Water and Gas Chromatography-Mass Spectrometry. Metabolites, 2016, 6, 34.	2.9	23

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19	Overexpression of Striated Muscle Activator of Rho Signaling (STARS) Increases C2C12 Skeletal Muscle Cell Differentiation. Frontiers in Physiology, 2016, 7, 7.	2.8	20
20	Measurement of postprandial glucose fluxes in response to acute and chronic endurance exercise in healthy humans. American Journal of Physiology - Endocrinology and Metabolism, 2018, 314, E503-E511.	3.5	19
21	Mechanisms of hyperinsulinaemia in apparently healthy non-obese young adults: role of insulin secretion, clearance and action and associations with plasma amino acids. Diabetologia, 2019, 62, 2310-2324.	6.3	17
22	Creatine biosynthesis and transport by the term human placenta. Placenta, 2017, 52, 86-93.	1.5	16
23	Resolution of glucose intolerance in long-term high-fat, high-sucrose-fed mice. Journal of Endocrinology, 2017, 233, 269-279.	2.6	16
24	Translating glucose tolerance data from mice to humans: Insights from stable isotope labelled glucose tolerance tests. Molecular Metabolism, 2021, 53, 101281.	6.5	16
25	Placental creatine metabolism in cases of placental insufficiency and reduced fetal growth. Molecular Human Reproduction, 2019, 25, 495-505.	2.8	15
26	InÂvivo cardiac glucose metabolism in the high-fat fed mouse: Comparison of euglycemicâ€“hyperinsulinemic clamp derived measures of glucose uptake with a dynamic metabolomic flux profiling approach. Biochemical and Biophysical Research Communications, 2015, 463, 818-824.	2.1	12
27	Does maternal-fetal transfer of creatine occur in pregnant sheep?. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E75-E83.	3.5	12
28	Reduced insulin action in muscle of high fat diet rats over the diurnal cycle is not associated with defective insulin signaling. Molecular Metabolism, 2019, 25, 107-118.	6.5	11
29	Mapping the Associations of the Plasma Lipidome With Insulin Resistance and Response to an Oral Glucose Tolerance Test. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e1041-e1055.	3.6	11
30	The Effects of Early-Onset Pre-Eclampsia on Placental Creatine Metabolism in the Third Trimester. International Journal of Molecular Sciences, 2020, 21, 806.	4.1	10
31	Endogenous glucose production after sequential meals in humans: evidence for more prolonged suppression after ingestion of a second meal. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E904-E911.	3.5	6
32	Modest changes to glycemic regulation are sufficient to maintain glucose fluxes in healthy young men following overfeeding with a habitual macronutrient composition. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E1061-E1070.	3.5	6
33	Dynamic glucose disposal is driven by reduced endogenous glucose production in response to voluntary wheel running: a stable isotope approach. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E2-E10.	3.5	6
34	Insulin resistance in type 1 diabetes managed with metformin (INTIMET): Study protocol of a doubleâ€blind placeboâ€controlled, randomised trial. Diabetic Medicine, 2021, 38, e14564.	2.3	6
35	Creatine supplementation reduces the cerebral oxidative and metabolic stress responses to acute ‹i›in utero‹/i› hypoxia in the lateâ€gestation fetal sheep. Journal of Physiology, 2022, 600, 3193-3210.	2.9	6
36	UNICORN Babies: Understanding Circulating and Cerebral Creatine Levels of the Preterm Infant. An Observational Study Protocol. Frontiers in Physiology, 2019, 10, 142.	2.8	5

#	Article	IF	Citations
37	An obesogenic maternal environment impairs mouse growth patterns, satellite cell activation, and markers of postnatal myogenesis. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E1008-E1018.	3.5	5
38	Loss of protein kinase D activity demonstrates redundancy in cardiac glucose metabolism and preserves cardiac function in obesity. Molecular Metabolism, 2020, 42, 101105.	6.5	5
39	Autophagy is not involved in lipid accumulation and the development of insulin resistance in skeletal muscle. Biochemical and Biophysical Research Communications, 2021, 534, 533-539.	2.1	4
40	The assimilation of glycerol into lipid acyl chains and associated carbon backbones of Nannochloropsis salina varies under nitrogen replete and deplete conditions. Biotechnology and Bioengineering, 2020, 117, 3299-3309.	3.3	3
41	An Ethanolic Extract of Artemisia dracunculus L. Enhances the Metabolic Benefits of Exercise in Diet-induced Obese Mice. Medicine and Science in Sports and Exercise, 2021, 53, 712-723.	0.4	2
42	Ultrahigh-Resolution Mass Spectrometry Method for Resolving13C-Enrichment Patterns in a Microalgal Lipidome. Journal of the American Society for Mass Spectrometry, 2020, 31, 1763-1772.	2.8	1
43	Baseline serum amino acid levels predict treatment response to augmentation with N-acetylcysteine (NAC) in a bipolar disorder randomised trial. Journal of Psychiatric Research, 2021, 142, 376-383.	3.1	1