

# Charlotte J Green

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,181  
citations

394286

19  
h-index

552653

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

4530  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular connexions between dementia and diabetes. <i>Neuroscience and Biobehavioral Reviews</i> , 2007, 31, 1046-1063.	2.9	148
2	The Influence of Dietary Fat on Liver Fat Accumulation. <i>Nutrients</i> , 2014, 6, 5018-5033.	1.7	100
3	Use of Akt Inhibitor and a Drug-resistant Mutant Validates a Critical Role for Protein Kinase B/Akt in the Insulin-dependent Regulation of Glucose and System A Amino Acid Uptake. <i>Journal of Biological Chemistry</i> , 2008, 283, 27653-27667.	1.6	96
4	Elevated NF- $\kappa$ B Activation Is Conserved in Human Myocytes Cultured From Obese Type 2 Diabetic Patients and Attenuated by AMP-Activated Protein Kinase. <i>Diabetes</i> , 2011, 60, 2810-2819.	0.3	95
5	Are oxidative stress mechanisms the common denominator in the progression from hepatic steatosis towards non-alcoholic steatohepatitis (NASH)? <i>Liver International</i> , 2014, 34, e180-90.	1.9	93
6	Defining the Contribution of AMP-activated Protein Kinase (AMPK) and Protein Kinase C (PKC) in Regulation of Glucose Uptake by Metformin in Skeletal Muscle Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 20088-20099.	1.6	84
7	Counter-modulation of fatty acid-induced pro-inflammatory nuclear factor $\kappa$ B signalling in rat skeletal muscle cells by AMP-activated protein kinase. <i>Biochemical Journal</i> , 2011, 435, 463-474.	1.7	69
8	Glucagon Like Peptide-1-Induced Glucose Metabolism in Differentiated Human Muscle Satellite Cells Is Attenuated by Hyperglycemia. <i>PLoS ONE</i> , 2012, 7, e44284.	1.1	52
9	AKR1D1 is a novel regulator of metabolic phenotype in human hepatocytes and is dysregulated in non-alcoholic fatty liver disease. <i>Metabolism: Clinical and Experimental</i> , 2019, 99, 67-80.	1.5	52
10	In vitro cellular models of human hepatic fatty acid metabolism: differences between Huh7 and HepG2 cell lines in human and fetal bovine culturing serum. <i>Physiological Reports</i> , 2017, 5, e13532.	0.7	48
11	A novel quantitative assay of mitophagy: Combining high content fluorescence microscopy and mitochondrial DNA load to quantify mitophagy and identify novel pharmacological tools against pathogenic heteroplasmic mtDNA. <i>Pharmacological Research</i> , 2015, 100, 24-35.	3.1	47
12	The PPAR $\gamma$ agonist, GW501516, promotes fatty acid oxidation but has no direct effect on glucose utilisation or insulin sensitivity in rat L6 skeletal muscle cells. <i>FEBS Letters</i> , 2007, 581, 4743-4748.	1.3	33
13	From whole body to cellular models of hepatic triglyceride metabolism: man has got to know his limitations. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E1-E20.	1.8	30
14	The isolation of primary hepatocytes from human tissue: optimising the use of small non-encapsulated liver resection surplus. <i>Cell and Tissue Banking</i> , 2017, 18, 597-604.	0.5	30
15	Lifelong Physical Activity Prevents Aging-Associated Insulin Resistance in Human Skeletal Muscle Myotubes via Increased Glucose Transporter Expression. <i>PLoS ONE</i> , 2013, 8, e66628.	1.1	29
16	Development of a High-Throughput Screening Assay to Identify Inhibitors of the SARS-CoV-2 Guanine-N7-Methyltransferase Using RapidFire Mass Spectrometry. <i>SLAS Discovery</i> , 2021, 26, 749-756.	1.4	28
17	Characterization of lipid metabolism in a novel immortalized human hepatocyte cell line. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E511-E522.	1.8	24
18	Of mice and men: Is there a future for metformin in the treatment of hepatic steatosis?. <i>Diabetes, Obesity and Metabolism</i> , 2019, 21, 749-760.	2.2	23

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19	Optimizing human hepatocyte models for metabolic phenotype and function: effects of treatment with dimethyl sulfoxide (DMSO). <i>Physiological Reports</i> , 2016, 4, e12944.	0.7	21
20	Pyruvate suppresses PGC1 $\alpha$ expression and substrate utilization despite increased respiratory chain content in C2C12 myotubes. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C240-C250.	2.1	19
21	Studying non-alcoholic fatty liver disease: the ins and outs of in vivo, ex vivo and in vitro human models. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2020, 41, .	0.3	15
22	Characterising hyperinsulinemia-induced insulin resistance in human skeletal muscle cells. <i>Journal of Molecular Endocrinology</i> , 2020, 64, 125-132.	1.1	13
23	Metformin maintains intrahepatic triglyceride content through increased hepatic de novo lipogenesis. <i>European Journal of Endocrinology</i> , 2022, 186, 367-377.	1.9	12
24	Sodium-glucose cotransporter 2 inhibition does not reduce hepatic steatosis in overweight, insulin-resistant patients without type 2 diabetes. <i>JGH Open</i> , 2020, 4, 433-440.	0.7	10
25	Modifying nutritional substrates induces macrovesicular lipid droplet accumulation and metabolic alterations in a cellular model of hepatic steatosis. <i>Physiological Reports</i> , 2020, 8, e14482.	0.7	7
26	Using total plasma triacylglycerol to assess hepatic <i>de novo</i> lipogenesis as an alternative to VLDL triacylglycerol. <i>Uppsala Journal of Medical Sciences</i> , 2020, 125, 211-216.	0.4	3