

# Andrew M Salter

## List of Publications by Citations

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84  
papers

2,041  
citations

28  
h-index

43  
g-index

88  
ext. papers

2,306  
ext. citations

5  
avg. IF

5.01  
L-index

#	Paper	IF	Citations
84	The inhibition of the oxidation of low density lipoprotein by (+)-catechin, a naturally occurring flavonoid. <i>Biochemical Pharmacology</i> , <b>1992</b> , 43, 445-50	6	170
83	Prenatal exposure to a low-protein diet programs disordered regulation of lipid metabolism in the aging rat. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 292, E1702-14	6	124
82	The assembly of triacylglycerol-rich lipoproteins: an essential role for the microsomal triacylglycerol transfer protein. <i>British Journal of Nutrition</i> , <b>1998</b> , 80, 219-229	3.6	114
81	Butter naturally enriched in conjugated linoleic acid and vaccenic acid alters tissue fatty acids and improves the plasma lipoprotein profile in cholesterol-fed hamsters. <i>Journal of Nutrition</i> , <b>2005</b> , 135, 1934-9	4.1	89
80	Dietary fatty acids and cardiovascular disease. <i>Animal</i> , <b>2013</b> , 7 Suppl 1, 163-71	3.1	84
79	Stearoyl-CoA desaturase mRNA is transcribed from a single gene in the ovine genome. <i>Lipids and Lipid Metabolism</i> , <b>1998</b> , 1391, 145-56		80
78	Molecular basis of non-responsiveness to peroxisome proliferators: the guinea-pig PPARalpha is functional and mediates peroxisome proliferator-induced hypolipidaemia. <i>Biochemical Journal</i> , <b>1998</b> , 332 ( Pt 3), 689-93	3.8	59
77	Energetic and environmental benefits of co-digestion of food waste and cattle slurry: A preliminary assessment. <i>Resources, Conservation and Recycling</i> , <b>2011</b> , 56, 71-79	11.9	55
76	Individual trans octadecenoic acids and partially hydrogenated vegetable oil differentially affect hepatic lipid and lipoprotein metabolism in golden Syrian hamsters. <i>Journal of Nutrition</i> , <b>2009</b> , 139, 257-63	4.1	55
75	The effect of different dietary fatty acids on lipoprotein metabolism: concentration-dependent effects of diets enriched in oleic, myristic, palmitic and stearic acids. <i>British Journal of Nutrition</i> , <b>1998</b> , 79, 195-202	3.6	52
74	Regulation of hamster hepatic microsomal triglyceride transfer protein mRNA levels by dietary fats. <i>Biochemical and Biophysical Research Communications</i> , <b>1995</b> , 212, 473-8	3.4	50
73	Effects of fatty acids on skeletal muscle cell differentiation in vitro. <i>British Journal of Nutrition</i> , <b>2006</b> , 95, 623-30	3.6	43
72	Effects of omega-3 and -6 polyunsaturated fatty acids on ovine follicular cell steroidogenesis, embryo development and molecular markers of fatty acid metabolism. <i>Reproduction</i> , <b>2011</b> , 141, 105-18	3.8	42
71	Metabolic fate of oleic acid, palmitic acid and stearic acid in cultured hamster hepatocytes. <i>Biochemical Journal</i> , <b>1996</b> , 316 ( Pt 3), 847-52	3.8	42
70	Species differences in peroxisome proliferation; mechanisms and relevance. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2000</b> , 448, 201-12	3.3	41
69	Binding of low-density lipoprotein to monolayer cultures of rat hepatocytes is increased by insulin and decreased by dexamethasone. <i>FEBS Letters</i> , <b>1987</b> , 220, 159-62	3.8	41
68	Effects of Dietary Fat on Cholesterol Metabolism: Regulation of Plasma LDL Concentrations. <i>Nutrition Research Reviews</i> , <b>1996</b> , 9, 241-57	7	38

67	Effect of dietary triacylglycerol structure on lipoprotein metabolism: a comparison of the effects of dioleoylpalmitoylglycerol in which palmitate is esterified to the 2- or 1(3)-position of the glycerol. <i>Lipids and Lipid Metabolism</i> , <b>1995</b> , 1258, 41-8		38
66	Interactions of triiodothyronine, insulin and dexamethasone on the binding of human LDL to rat hepatocytes in monolayer culture. <i>Atherosclerosis</i> , <b>1988</b> , 71, 77-80	3.1	35
65	Antioxidant Activity of Oat Extracts added to Human LDL Particles and in Free Radical Trapping Assays. <i>Journal of Cereal Science</i> , <b>2002</b> , 36, 209-218	3.8	34
64	The intracellular triacylglycerol/fatty acid cycle: a comparison of its activity in hepatocytes which secrete exclusively apolipoprotein (apo) B100 very-low-density lipoprotein (VLDL) and in those which secrete predominantly apoB48 VLDL. <i>Biochemical Journal</i> , <b>1998</b> , 332 ( Pt 3), 667-72	3.8	34
63	The role of apolipoprotein A-I and apolipoprotein A-II in high-density lipoprotein binding to human adipocyte plasma membranes. <i>Lipids and Lipid Metabolism</i> , <b>1987</b> , 920, 105-13		34
62	Effect of feeding rumen-protected conjugated linoleic acid on carcass characteristics and fatty acid composition of sheep tissues. <i>Journal of Animal Science</i> , <b>2006</b> , 84, 3440-50	0.7	33
61	Improving the sustainability of global meat and milk production. <i>Proceedings of the Nutrition Society</i> , <b>2017</b> , 76, 22-27	2.9	31
60	The effects of different dietary fats and cholesterol on serum lipoprotein concentrations in hamsters. <i>Lipids and Lipid Metabolism</i> , <b>1994</b> , 1211, 207-14		31
59	Efficacy of insect larval meal to replace fish meal in juvenile barramundi, <i>Lates calcarifer</i> reared in freshwater. <i>International Aquatic Research</i> , <b>2017</b> , 9, 303-312	2.8	30
58	Insects: A Potential Source of Protein and Other Nutrients for Feed and Food. <i>Annual Review of Animal Biosciences</i> , <b>2021</b> , 9, 333-354	13.7	30
57	Modulation of the regression of atherosclerosis in the hamster by dietary lipids: comparison of coconut oil and olive oil. <i>British Journal of Nutrition</i> , <b>1999</b> , 82, 401-9	3.6	29
56	Maternal undernutrition programmes atherosclerosis in the ApoE*3-Leiden mouse. <i>British Journal of Nutrition</i> , <b>2009</b> , 101, 1185-94	3.6	28
55	Hepatic microsomal triglyceride transfer protein messenger RNA concentrations are increased by dietary cholesterol in hamsters. <i>FEBS Letters</i> , <b>1996</b> , 394, 247-50	3.8	28
54	Modelling the economics of farm-based anaerobic digestion in a UK whole-farm context. <i>Energy Policy</i> , <b>2013</b> , 62, 215-225	7.2	25
53	Extraction and quantitative analysis of stearoyl-coenzyme A desaturase mRNA from dairy cow milk somatic cells. <i>Journal of Dairy Science</i> , <b>2007</b> , 90, 4128-36	4	25
52	Transcriptional regulation of human SREBP-1c (sterol-regulatory-element-binding protein-1c): a key regulator of lipogenesis. <i>Biochemical Society Transactions</i> , <b>2004</b> , 32, 107-9	5.1	25
51	Extraction of protein from food waste: An overview of current status and opportunities. <i>Comprehensive Reviews in Food Science and Food Safety</i> , <b>2021</b> , 20, 2455-2475	16.4	25
50	Impact of consumption of animal products on cardiovascular disease, diabetes, and cancer in developed countries. <i>Animal Frontiers</i> , <b>2013</b> , 3, 20-27	5.5	23

49	Effects of soy protein on plasma cholesterol and bile acid excretion in hamsters. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>1998</b> , 119, 247-54	2.3	22
48	Regional variation in high-density lipoprotein binding to human adipocyte plasma membranes of massively obese subjects. <i>European Journal of Clinical Investigation</i> , <b>1987</b> , 17, 16-22	4.6	22
47	Inhibition of stearoyl CoA desaturase activity induces hypercholesterolemia in the cholesterol-fed hamster. <i>Journal of Lipid Research</i> , <b>2008</b> , 49, 1456-65	6.3	19
46	Interactive effects of dietary cholesterol and different saturated fatty acids on lipoprotein metabolism in the hamster. <i>British Journal of Nutrition</i> , <b>2000</b> , 84, 439-47	3.6	17
45	Component analysis of nutritionally rich chloroplasts: recovery from conventional and unconventional green plant species. <i>Journal of Food Science and Technology</i> , <b>2017</b> , 54, 2746-2757	3.3	15
44	Mathematical modelling of hepatic lipid metabolism. <i>Mathematical Biosciences</i> , <b>2015</b> , 262, 167-81	3.9	15
43	Regulation of ovine and porcine stearoyl coenzyme A desaturase gene promoters by fatty acids and sterols. <i>Journal of Animal Science</i> , <b>2010</b> , 88, 2565-75	0.7	15
42	Effect of dietary conjugated linoleic acid isomers on lipid metabolism in hamsters fed high-carbohydrate and high-fat diets. <i>British Journal of Nutrition</i> , <b>2009</b> , 101, 1630-8	3.6	15
41	Cholesterol feeding induces hypertriglyceridaemia in hamsters and increases the activity of the Mg(2+)-dependent phosphatidate phosphohydrolase in the liver. <i>Lipids and Lipid Metabolism</i> , <b>1993</b> , 1166, 238-43		15
40	Role of insulin and counter-regulatory hormones in the control of hepatic glycerolipid synthesis and low-density-lipoprotein catabolism in diabetes. <i>Biochemical Society Transactions</i> , <b>1989</b> , 17, 43-6	5.1	13
39	Dietary cholesterol reduces lipoprotein lipase activity in the atherosclerosis-susceptible Bio F(1)B hamster. <i>British Journal of Nutrition</i> , <b>2003</b> , 89, 341-50	3.6	12
38	Combined innovations in public policy, the private sector and culture can drive sustainability transitions in food systems. <i>Nature Food</i> , <b>2021</b> , 2, 282-290	14.4	12
37	Differential effects of the trans-18:1 isomer profile of partially hydrogenated vegetable oils on cholesterol and lipoprotein metabolism in male F1B hamsters. <i>Journal of Nutrition</i> , <b>2011</b> , 141, 1819-26	4.1	10
36	Molecular analysis of peroxisome proliferation in the hamster. <i>Toxicology and Applied Pharmacology</i> , <b>2004</b> , 197, 9-18	4.6	10
35	Identification of Education Models to Improve Health Outcomes in Arab Women with Pre-Diabetes. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	9
34	The ovine stearyl-CoA desaturase gene: cloning and determination of gene number within the ovine genome. <i>Biochemical Society Transactions</i> , <b>1997</b> , 25, S673	5.1	8
33	Low density lipoprotein binding to monolayer cultures of hepatocytes isolated from hamsters fed different dietary fatty acids. <i>Lipids and Lipid Metabolism</i> , <b>1995</b> , 1258, 61-9		8
32	Integration of on-farm biodiesel production with anaerobic digestion to maximise energy yield and greenhouse gas savings from process and farm residues. <i>Bioresource Technology</i> , <b>2011</b> , 102, 7784-93	11	7

31	Influence of maternal nutrition on the metabolic syndrome and cardiovascular risk in the offspring. <i>Clinical Lipidology</i> , <b>2009</b> , 4, 145-158		7
30	The impact of reduced red and processed meat consumption on cardiovascular risk factors; an intervention trial in healthy volunteers. <i>Food and Function</i> , <b>2019</b> , 10, 6690-6698	6.1	7
29	Algal wastewater treatment systems for seasonal climates: application of a simple modelling approach to generate local and regional design guidelines. <i>Water Research</i> , <b>2012</b> , 46, 2307-23	12.5	6
28	A role for smooth endoplasmic reticulum membrane cholesterol ester in determining the intracellular location and regulation of sterol-regulatory-element-binding protein-2. <i>Biochemical Journal</i> , <b>2001</b> , 358, 415-22	3.8	6
27	The influence of trans fatty acids on health. <i>Clinical Science</i> , <b>1995</b> , 88, 373-4	6.5	6
26	Saturated fatty acids and coronary heart disease risk: the debate goes on. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2016</b> , 19, 97-102	3.8	6
25	Fetal and neonatal exposure to trans-fatty acids impacts on susceptibility to atherosclerosis in apo E*3 Leiden mice. <i>British Journal of Nutrition</i> , <b>2017</b> , 117, 377-385	3.6	5
24	Varying magnesium concentration elicits changes in inflammatory response in human umbilical vein endothelial cells (HUVECs). <i>Magnesium Research</i> , <b>2018</b> , 31, 99-109	1.7	5
23	Characterization of the binding of human low-density lipoprotein to cultured rat hepatocytes. <i>Biochemical Society Transactions</i> , <b>1987</b> , 15, 253-254	5.1	4
22	Insect Protein: A Sustainable and Healthy Alternative to Animal Protein?. <i>Journal of Nutrition</i> , <b>2019</b> , 149, 545-546	4.1	3
21	A novel liver specific isoform of the rat LAR transcript is expressed as a truncated isoform encoded from a 5'UTR located within intron 11. <i>BMC Molecular Biology</i> , <b>2009</b> , 10, 30	4.5	3
20	LDL binding to hepatocytes isolated from hamsters fed different dietary fatty acids. <i>Biochemical Society Transactions</i> , <b>1993</b> , 21, 150S	5.1	3
19	Role of novel protein sources in sustainably meeting future global requirements. <i>Proceedings of the Nutrition Society</i> , <b>2021</b> , 80, 186-194	2.9	3
18	Plasma VLDL cholesterol and egg cholesterol are resistant to change in the laying hen. <i>Biochemical Society Transactions</i> , <b>1993</b> , 21, 147S	5.1	2
17	The effects of two acylcoenzyme A: cholesterol acyltransferase (ACAT) inhibitors, cyclandelate and a non-hydrolysable ether analogue, benzyl3,3,5-trimethylcyclohexanol on low density lipoprotein metabolism in macrophages and hepatocytes. <i>Biochemical Pharmacology</i> , <b>1994</b> , 48, 915-22	6	2
16	Inhibition of cholesterol esterification in rat hepatocytes is necessary for down-regulation of low-density-lipoprotein receptor activity. <i>Biochemical Society Transactions</i> , <b>1989</b> , 17, 112-113	5.1	2
15	Maternal high-fat feeding in pregnancy programs atherosclerotic lesion size in the ApoE*3 Leiden mouse. <i>Journal of Developmental Origins of Health and Disease</i> , <b>2016</b> , 7, 290-297	2.4	2
14	Influence of environmental and genetic factors on food protein quality: current knowledge and future directions. <i>Current Opinion in Food Science</i> , <b>2021</b> , 40, 94-101	9.8	2

13	Mapping brain activity of gut-brain signaling to appetite and satiety in healthy adults: A systematic review and functional neuroimaging meta-analysis.. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2022</b> , 104603	8	2
12	Treatment of seasonal wastewater flows in a two-pond system. <i>Biosystems Engineering</i> , <b>2013</b> , 115, 408-418	4.8	1
11	Animal Models in Nutrition Research <b>2015</b> , 265-277		1
10	The effect of dietary casein and soyprotein on cholesterol metabolism in hamsters. <i>Biochemical Society Transactions</i> , <b>1993</b> , 21, 155S	5.1	1
9	Are current dietary guidelines relevant to subjects on cholesterol-lowering drugs?. <i>Proceedings of the Nutrition Society</i> , <b>2020</b> , 79, 88-94	2.9	1
8	Carbohydrates and Lipids <b>2012</b> , 52-88		
7	MECHANISM OF REGULATION OF MICROSOMAL TRIGLYCERIDE TRANSFER PROTEIN GENE EXPRESSION BY DIETARY CHOLESTEROL. <i>Biochemical Society Transactions</i> , <b>1999</b> , 27, A122-A122	5.1	
6	Interactive effects of dietary cholesterol and saturated fat on low density lipoprotein cholesterol. <i>Biochemical Society Transactions</i> , <b>1996</b> , 24, 180S	5.1	
5	Depot specific effects of insulin and isoproterenol on porcine adipose tissue metabolism. <i>Biochemical Society Transactions</i> , <b>1993</b> , 21, 149S	5.1	
4	Effects of different dietary saturated fats on plasma lipoprotein levels in hamsters. <i>Biochemical Society Transactions</i> , <b>1994</b> , 22, 104S	5.1	
3	The effect of diets containing defined triglycerides on hepatic apolipoprotein B, HMGCoA reductase and LDL receptor mRNA levels in the Syrian hamster. <i>Biochemical Society Transactions</i> , <b>1994</b> , 22, 112S	5.1	
2	Desaturation and esterification of palmitic and stearic acids in cultured hepatocytes. <i>Biochemical Society Transactions</i> , <b>1995</b> , 23, 302S	5.1	
1	Benzyloxytrimethylcyclohexane: an inhibitor of cholesterol esterification. <i>Biochemical Society Transactions</i> , <b>1989</b> , 17, 361-361	5.1	