

Andrew M Salter

List of Publications by Year in descending order

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85
papers

2,564
citations

136885

32
h-index

197736

49
g-index

88
all docs

88
docs citations

88
times ranked

2893
citing authors

#	ARTICLE	IF	CITATIONS
1	The inhibition of the oxidation of low density lipoprotein by (+)-Catechin, a naturally occurring flavonoid. <i>Biochemical Pharmacology</i> , 1992, 43, 445-450.	2.0	177
2	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> , 2007, 292, E1702-E1714.	1.8	143
3	The assembly of triacylglycerol-rich lipoproteins: an essential role for the microsomal triacylglycerol transfer protein. <i>British Journal of Nutrition</i> , 1998, 80, 219-229.	1.2	121
4	Dietary fatty acids and cardiovascular disease. <i>Animal</i> , 2013, 7, 163-171.	1.3	111
5	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> , 2005, 135, 1934-1939.	1.3	104
6	Stearoyl-CoA desaturase mRNA is transcribed from a single gene in the ovine genome. <i>Lipids and Lipid Metabolism</i> , 1998, 1391, 145-156.	2.6	94
7	Insects: A Potential Source of Protein and Other Nutrients for Feed and Food. <i>Annual Review of Animal Biosciences</i> , 2021, 9, 333-354.	3.6	80
8	Extraction of protein from food waste: An overview of current status and opportunities. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 2455-2475.	5.9	68
9	Molecular basis of non-responsiveness to peroxisome proliferators: the guinea-pig PPAR α is functional and mediates peroxisome proliferator-induced hypolipidaemia. <i>Biochemical Journal</i> , 1998, 332, 689-693.	1.7	67
10	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> , 2009, 139, 257-263.	1.3	63
11	Energetic and environmental benefits of co-digestion of food waste and cattle slurry: A preliminary assessment. <i>Resources, Conservation and Recycling</i> , 2011, 56, 71-79.	5.3	61
12	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> , 1998, 79, 195-202.	1.2	60
13	Effects of fatty acids on skeletal muscle cell differentiation in vitro. <i>British Journal of Nutrition</i> , 2006, 95, 623-630.	1.2	55
14	Efficacy of insect larval meal to replace fish meal in juvenile barramundi, <i>Lates calcarifer</i> reared in freshwater. <i>International Aquatic Research</i> , 2017, 9, 303-312.	1.5	55
15	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> , 2011, 141, 105-118.	1.1	54
16	Regulation of Hamster Hepatic Microsomal Triglyceride Transfer Protein mRNA Levels by Dietary Fats. <i>Biochemical and Biophysical Research Communications</i> , 1995, 212, 473-478.	1.0	52
17	Metabolic fate of oleic acid, palmitic acid and stearic acid in cultured hamster hepatocytes. <i>Biochemical Journal</i> , 1996, 316, 847-852.	1.7	52
18	Improving the sustainability of global meat and milk production. <i>Proceedings of the Nutrition Society</i> , 2017, 76, 22-27.	0.4	50

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19	Binding of low-density lipoprotein to monolayer cultures of rat hepatocytes is increased by insulin and decreased by dexamethasone. <i>FEBS Letters</i> , 1987, 220, 159-162.	1.3	46
20	Effects of Dietary Fat on Cholesterol Metabolism: Regulation of Plasma LDL Concentrations. <i>Nutrition Research Reviews</i> , 1996, 9, 241-257.	2.1	46
21	Species differences in peroxisome proliferation; mechanisms and relevance. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2000, 448, 201-212.	0.4	46
22	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> , 1995, 1258, 41-48.	2.6	42
23	Antioxidant Activity of Oat Extracts added to Human LDL Particles and in Free Radical Trapping Assays. <i>Journal of Cereal Science</i> , 2002, 36, 209-218.	1.8	41
24	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> , 1987, 920, 105-113.	2.6	37
25	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> , 1998, 332, 667-672.	1.7	37
26	Effect of feeding rumen-protected conjugated linoleic acid on carcass characteristics and fatty acid composition of sheep tissues ^{1,2} . <i>Journal of Animal Science</i> , 2006, 84, 3440-3450.	0.2	37
27	Interactions of triiodothyronine, insulin and dexamethasone on the binding of human LDL to rat hepatocytes in monolayer culture. <i>Atherosclerosis</i> , 1988, 71, 77-80.	0.4	36
28	The effects of different dietary fats and cholesterol on serum lipoprotein concentrations in hamsters. <i>Lipids and Lipid Metabolism</i> , 1994, 1211, 207-214.	2.6	35
29	Maternal undernutrition programmes atherosclerosis in the ApoE*3-Leiden mouse. <i>British Journal of Nutrition</i> , 2009, 101, 1185-1194.	1.2	35
30	Impact of consumption of animal products on cardiovascular disease, diabetes, and cancer in developed countries. <i>Animal Frontiers</i> , 2013, 3, 20-27.	0.8	35
31	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> , 1999, 82, 401-409.	1.2	33
32	Modelling the economics of farm-based anaerobic digestion in a UK whole-farm context. <i>Energy Policy</i> , 2013, 62, 215-225.	4.2	33
33	Hepatic microsomal triglyceride transfer protein messenger RNA concentrations are increased by dietary cholesterol in hamsters. <i>FEBS Letters</i> , 1996, 394, 247-250.	1.3	32
34	Effects of Soy Protein on Plasma Cholesterol and Bile Acid Excretion in Hamsters. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1998, 119, 247-254.	0.7	31
35	Combined innovations in public policy, the private sector and culture can drive sustainability transitions in food systems. <i>Nature Food</i> , 2021, 2, 282-290.	6.2	30
36	Extraction and Quantitative Analysis of Stearoyl-Coenzyme A Desaturase mRNA from Dairy Cow Milk Somatic Cells. <i>Journal of Dairy Science</i> , 2007, 90, 4128-4136.	1.4	29

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37	Transcriptional regulation of human SREBP-1c (sterol-regulatory-element-binding protein-1c): a key regulator of lipogenesis. <i>Biochemical Society Transactions</i> , 2004, 32, 107-109.	1.6	28
38	Role of novel protein sources in sustainably meeting future global requirements. <i>Proceedings of the Nutrition Society</i> , 2021, 80, 186-194.	0.4	27
39	Interactive effects of dietary cholesterol and different saturated fatty acids on lipoprotein metabolism in the hamster. <i>British Journal of Nutrition</i> , 2000, 84, 439-447.	1.2	26
40	Regional variation in high-density lipoprotein binding to human adipocyte plasma membranes of massively obese subjects. <i>European Journal of Clinical Investigation</i> , 1987, 17, 16-22.	1.7	25
41	Mathematical modelling of hepatic lipid metabolism. <i>Mathematical Biosciences</i> , 2015, 262, 167-181.	0.9	23
42	Inhibition of stearoyl CoA desaturase activity induces hypercholesterolemia in the cholesterol-fed hamster. <i>Journal of Lipid Research</i> , 2008, 49, 1456-1465.	2.0	19
43	Component analysis of nutritionally rich chloroplasts: recovery from conventional and unconventional green plant species. <i>Journal of Food Science and Technology</i> , 2017, 54, 2746-2757.	1.4	19
44	Identification of Education Models to Improve Health Outcomes in Arab Women with Pre-Diabetes. <i>Nutrients</i> , 2019, 11, 1113.	1.7	19
45	Regulation of ovine and porcine stearoyl coenzyme A desaturase gene promoters by fatty acids and sterols ¹ . <i>Journal of Animal Science</i> , 2010, 88, 2565-2575.	0.2	17
46	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> , 1993, 1166, 238-243.	2.6	16
47	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> , 2009, 101, 1630-1638.	1.2	16
48	Saturated fatty acids and coronary heart disease risk. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016, 19, 97-102.	1.3	16
49	Dietary cholesterol reduces lipoprotein lipase activity in the atherosclerosis-susceptible Bio F1B hamster. <i>British Journal of Nutrition</i> , 2003, 89, 341-350.	1.2	14
50	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> , 1989, 17, 43-46.	1.6	13
51	The impact of reduced red and processed meat consumption on cardiovascular risk factors; an intervention trial in healthy volunteers. <i>Food and Function</i> , 2019, 10, 6690-6698.	2.1	12
52	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> , 2011, 141, 1819-1826.	1.3	11
53	Molecular analysis of peroxisome proliferation in the hamster. <i>Toxicology and Applied Pharmacology</i> , 2004, 197, 9-18.	1.3	10
54	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> , 2022, 136, 104603.	2.9	9

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55	Low density lipoprotein binding to monolayer cultures of hepatocytes isolated from hamsters fed different dietary fatty acids. <i>Lipids and Lipid Metabolism</i> , 1995, 1258, 61-69.	2.6	8
56	145 The ovine stearyl-CoA desaturase gene: Cloning and determination of gene number within the ovine genome. <i>Biochemical Society Transactions</i> , 1997, 25, S673-S673.	1.6	8
57	Influence of maternal nutrition on the metabolic syndrome and cardiovascular risk in the offspring. <i>Clinical Lipidology</i> , 2009, 4, 145-158.	0.4	8
58	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> , 2011, 102, 7784-7793.	4.8	8
59	Influence of environmental and genetic factors on food protein quality: current knowledge and future directions. <i>Current Opinion in Food Science</i> , 2021, 40, 94-101.	4.1	8
60	The Influence of <i>trans</i> Fatty Acids on Health. <i>Clinical Science</i> , 1995, 88, 373-374.	1.8	7
61	Fetal and neonatal exposure to <i>trans</i> -fatty acids impacts on susceptibility to atherosclerosis in apo E*3 Leiden mice. <i>British Journal of Nutrition</i> , 2017, 117, 377-385.	1.2	7
62	Varying magnesium concentration elicits changes in inflammatory response in human umbilical vein endothelial cells (HUVECs). <i>Magnesium Research</i> , 2018, 31, 99-109.	0.4	7
63	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> , 2001, 358, 415.	1.7	6
64	Algal wastewater treatment systems for seasonal climates: Application of a simple modelling approach to generate local and regional design guidelines. <i>Water Research</i> , 2012, 46, 2307-2323.	5.3	6
65	Insect Protein: A Sustainable and Healthy Alternative to Animal Protein?. <i>Journal of Nutrition</i> , 2019, 149, 545-546.	1.3	6
66	Limited Supply of Protein and Lysine Is Prevalent among the Poorest Households in Malawi and Exacerbated by Low Protein Quality. <i>Nutrients</i> , 2022, 14, 2430.	1.7	5
67	The impact of excessive protein consumption on human wastewater nitrogen loading of <i>US</i> waters. <i>Frontiers in Ecology and the Environment</i> , 2022, 20, 452-458.	1.9	5
68	Characterization of the binding of human low-density lipoprotein to cultured rat hepatocytes. <i>Biochemical Society Transactions</i> , 1987, 15, 253-254.	1.6	4
69	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> , 2016, 7, 290-297.	0.7	4
70	Plasma VLDL cholesterol and egg cholesterol are resistant to change in the laying hen. <i>Biochemical Society Transactions</i> , 1993, 21, 147S-147S.	1.6	3
71	LDL binding to hepatocytes isolated from hamsters fed different dietary fatty acids. <i>Biochemical Society Transactions</i> , 1993, 21, 150S-150S.	1.6	3
72	The effect of dietary casein and soyprotein on cholesterol metabolism in hamsters. <i>Biochemical Society Transactions</i> , 1993, 21, 155S-155S.	1.6	3

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73	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. BMC Molecular Biology, 2009, 10, 30.	3.0	3
74	Inhibition of cholesterol esterification in rat hepatocytes is necessary for down-regulation of low-density-lipoprotein receptor activity. Biochemical Society Transactions, 1989, 17, 112-113.	1.6	2
75	The effects of two acylcoenzyme a: Cholesterol acyltransferase (ACAT) inhibitors, cyclandelate and a non-hydrolysable ether analogue, benzy13,3,5-trimethylcyclohexanol on low density lipoprotein metabolism in macrophages and hepatocytes. Biochemical Pharmacology, 1994, 48, 915-922.	2.0	2
76	Treatment of seasonal wastewater flows in a two-pond system. Biosystems Engineering, 2013, 115, 408-414.	1.9	1
77	Are current dietary guidelines relevant to subjects on cholesterol-lowering drugs?. Proceedings of the Nutrition Society, 2020, 79, 88-94.	0.4	1
78	Benzyloxytrimethylcyclohexane: an inhibitor of cholesterol esterification. Biochemical Society Transactions, 1989, 17, 361-361.	1.6	0
79	Depot specific effects of insulin and isoproterenol on porcine adipose tissue metabolism. Biochemical Society Transactions, 1993, 21, 149S-149S.	1.6	0
80	Effects of different dietary saturated fats on plasma lipoprotein levels in hamsters. Biochemical Society Transactions, 1994, 22, 104S-104S.	1.6	0
81	THE EFFECT OF DIETS CONTAINING DEFINED TRIGLYCERIDES ON HEPATIC APOLIPOPROTEIN B, HMGCoA REDUCTASE AND LDL RECEPTOR mRNA LEVELS IN THE SYRIAN HAMSTER. Biochemical Society Transactions, 1994, 22, 112S-112S.	1.6	0
82	Desaturation and esterification of palmitic and stearic acids in cultured hepatocytes. Biochemical Society Transactions, 1995, 23, 302S-302S.	1.6	0
83	Interactive effects of dietary cholesterol and saturated fat on low density lipoprotein cholesterol. Biochemical Society Transactions, 1996, 24, 180S-180S.	1.6	0
84	REGULATION OF THE HEPATIC MICROSOMAL TRIGLYCERIDE TRANSFER PROTEIN(MTP) GENE BY DIETARY CHOLESTEROL IS MAINTAINED IN ISOLATED HEPATOCYTES. Biochemical Society Transactions, 1999, 27, A50-A50.	1.6	0
85	MECHANISM OF REGULATION OF MICROSOMAL TRIGLYCERIDE TRANSFER PROTEIN GENE EXPRESSION BY DIETARY CHOLESTEROL. Biochemical Society Transactions, 1999, 27, A122-A122.	1.6	0