Andrew J Mcainch

List of Publications by Citations

74 papers	1,857 citations	24 h-index	40 g-index
83 ext. papers	2,153 ext. citations	5 avg, IF	4.84 L-index

#	Paper	IF	Citations
74	Impaired activation of AMP-kinase and fatty acid oxidation by globular adiponectin in cultured human skeletal muscle of obese type 2 diabetics. *Journal of Clinical Endocrinology and Metabolism*, **2005**, 90, 3665-72	5.6	148
73	The expression of receptors for endocannabinoids in human and rodent skeletal muscle. *Biochemical and Biophysical Research Communications*, **2007**, 364, 105-10	3.4	131
72	The suppressor of cytokine signaling 3 inhibits leptin activation of AMP-kinase in cultured skeletal muscle of obese humans. *Journal of Clinical Endocrinology and Metabolism*, **2006**, 91, 3592-7	5.6	89
71	Adipokines as a link between obesity and chronic kidney disease. *American Journal of Physiology - Renal Physiology*, **2013**, 305, F1629-36	4.3	87
70	The effects of exercise and adipose tissue lipolysis on plasma adiponectin concentration and adiponectin receptor expression in human skeletal muscle. *European Journal of Endocrinology*, **2005** , 152, 427-36	6.5	84
69	Blueberry as a source of bioactive compounds for the treatment of obesity, type 2 diabetes and chronic inflammation. *Journal of Functional Foods*, **2017**, 30, 16-29	5.1	73
68	Fatty Acid modulation of the endocannabinoid system and the effect on food intake and metabolism. *International Journal of Endocrinology*, **2013**, 2013, 361895	2.7	73
67	Leptin in pregnancy and development: a contributor to adulthood disease?. *American Journal of Physiology - Endocrinology and Metabolism*, **2015**, 308, E335-50	6	64
66	Linoleic acid and the pathogenesis of obesity. *Prostaglandins and Other Lipid Mediators*, **2016**, 125, 90-9	3.7	61
65	Diet-induced obesity up-regulates the abundance of GPR43 and GPR120 in a tissue specific manner. *Cellular Physiology and Biochemistry*, **2011**, 28, 949-58	3.9	60
64	Tyk2 and Stat3 regulate brown adipose tissue differentiation and obesity. *Cell Metabolism*, **2012**, 16, 814-24	24.6	57
63	Role for cannabinoid receptors in human proximal tubular hypertrophy. *Cellular Physiology and Biochemistry*, **2010**, 26, 879-86	3.9	46
62	GPR120 agonism as a countermeasure against metabolic diseases. *Drug Discovery Today*, **2014**, 19, 670-9	8.8	38
61	What Doesn't Kill You Makes You Fitter: A Systematic Review of High-Intensity Interval Exercise for Patients with Cardiovascular and Metabolic Diseases. *Clinical Medicine Insights: Cardiology*, **2015**, 9, 53-63	3.2	35
60	Dietary regulation of fat oxidative gene expression in different skeletal muscle fiber types. *Obesity*, **2003**, 11, 1471-9		33
59	Increased Smad signaling and reduced MRF expression in skeletal muscle from obese subjects. *Obesity*, **2013**, 21, 525-8	8	32
58	Inertial sensors to estimate the energy expenditure of team-sport athletes. *Journal of Science and Medicine in Sport*, **2016**, 19, 177-81	4.4	30

57	A potential role for GPR55 in the regulation of energy homeostasis. *Drug Discovery Today*, **2014**, 19, 1145-51	8.1	29
56	Differential regulation of adiponectin receptor gene expression by adiponectin and leptin in myotubes derived from obese and diabetic individuals. *Obesity*, **2006**, 14, 1898-904	8	29
55	Co-ingestion of carbohydrate and whey protein isolates enhance PGC-1 mRNA expression: a randomised, single blind, cross over study. *Journal of the International Society of Sports Nutrition*, **2013**, 10, 8	4.5	27
54	Elevated cannabinoid receptor 1 and G protein-coupled receptor 55 expression in proximal tubule cells and whole kidney exposed to diabetic conditions. *Clinical and Experimental Pharmacology and Physiology*, **2015**, 42, 256-62	3	26
53	Na+-H+ exchanger regulatory factor 1 (NHERF1) PDZ scaffold binds an internal binding site in the scavenger receptor megalin. *Cellular Physiology and Biochemistry*, **2011**, 27, 171-8	3.9	26
52	Peripheral modulation of the endocannabinoid system in metabolic disease. *Drug Discovery Today*, **2018**, 23, 592-604	8.8	25
51	A pilot study investigating the effect of Caralluma fimbriata extract on the risk factors of metabolic syndrome in overweight and obese subjects: a randomised controlled clinical trial. *Complementary Therapies in Medicine*, **2013**, 21, 180-9	3.5	25
50	The cannabinoid receptor 1 and its role in influencing peripheral metabolism. *Diabetes, Obesity and Metabolism*, **2014**, 16, 294-304	6.7	24
49	Acupuncture as an adjunct therapy in the treatment of eating disorders: a randomised cross-over pilot study. *Complementary Therapies in Medicine*, **2010**, 18, 233-40	3.5	24
48	G protein coupled receptor 18: A potential role for endocannabinoid signaling in metabolic dysfunction. *Molecular Nutrition and Food Research*, **2016**, 60, 92-102	5.9	24
47	Cannabinoid receptor 2 expression in human proximal tubule cells is regulated by albumin independent of ERK1/2 signaling. *Cellular Physiology and Biochemistry*, **2013**, 32, 1309-19	3.9	23
46	Role of omega-6 and omega-3 fatty acids in fetal programming. *Clinical and Experimental Pharmacology and Physiology*, **2020**, 47, 907-915	3	22
45	Endocannabinoids and the renal proximal tubule: an emerging role in diabetic nephropathy. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 2028-31	5.6	21
44	Chronic administration of AM251 improves albuminuria and renal tubular structure in obese rats. *Journal of Endocrinology*, **2015**, 225, 113-24	4.7	19
43	Reduced plasma free fatty acid availability during exercise: effect on gene expression. *European Journal of Applied Physiology*, **2007**, 99, 485-93	3.4	19
42	Uteroplacental insufficiency reduces rat plasma leptin concentrations and alters placental leptin transporters: ameliorated with enhanced milk intake and nutrition. *Journal of Physiology*, **2017**, 595, 3389-3407	3.9	18
41	The effects of supplementation with blueberry, cyanidin-3-O- glucoside, yoghurt and its peptides on obesity and related comorbidities in a diet-induced obese mouse model. *Journal of Functional Foods*, **2019**, 56, 92-101	5.1	18
40	Cannabinoid receptors in the kidney. *Current Opinion in Nephrology and Hypertension*, **2016**, 25, 459-64	3.5	18

39	Australia's nutrition transition 1961-2009: a focus on fats. *British Journal of Nutrition*, **2015**, 114, 337-46	3.6	17
38	Is GPR119 agonism an appropriate treatment modality for the safe amelioration of metabolic diseases?. *Expert Opinion on Investigational Drugs*, **2013**, 22, 487-98	5.9	17
37	Acute Low-Volume High-Intensity Interval Exercise and Continuous Moderate-Intensity Exercise Elicit a Similar Improvement in 24-h Glycemic Control in Overweight and Obese Adults. *Frontiers in Physiology*, **2016**, 7, 661	4.6	17
36	Acute leptin exposure reduces megalin expression and upregulates TGF in cultured renal proximal tubule cells. *Molecular and Cellular Endocrinology*, **2015**, 401, 25-34	4.4	16
35	GPR119 regulates genetic markers of fatty acid oxidation in cultured skeletal muscle myotubes. *Molecular and Cellular Endocrinology*, **2013**, 365, 108-18	4.4	16
34	Beetroot and Sodium Nitrate Ameliorate Cardiometabolic Changes in Diet-Induced Obese Hypertensive Rats. *Molecular Nutrition and Food Research*, **2017**, 61, 1700478	5.9	15
33	Increased pyruvate dehydrogenase kinase expression in cultured myotubes from obese and diabetic individuals. *European Journal of Nutrition*, **2015**, 54, 1033-43	5.2	15
32	Linoleic Acid Increases Prostaglandin E2 Release and Reduces Mitochondrial Respiration and Cell Viability in Human Trophoblast-Like Cells. *Cellular Physiology and Biochemistry*, **2019**, 52, 94-108	3.9	14
31	Elevated maternal linoleic acid reduces circulating leptin concentrations, cholesterol levels and male fetal survival in a rat model. *Journal of Physiology*, **2019**, 597, 3349-3361	3.9	13
30	Predisposing factors of type 2 diabetes mellitus and the potential protective role of native plants with functional properties. *Journal of Functional Foods*, **2019**, 53, 115-124	5.1	13
29	The use of adipose tissue-conditioned media to demonstrate the differential effects of fat depots on insulin-stimulated glucose uptake in a skeletal muscle cell line. *Obesity Research and Clinical Practice*, **2011**, 5, e1-e78	5.4	11
28	Short term exposure to elevated levels of leptin reduces proximal tubule cell metabolic activity. *Molecular and Cellular Endocrinology*, **2014**, 382, 38-45	4.4	10
27	Effects of fermentation conditions on the potential anti-hypertensive peptides released from yogurt fermented by Lactobacillus helveticus and Flavourzyme . *International Journal of Food Science and Technology*, **2017**, 52, 137-145	3.8	10
26	Adiponectin decreases pyruvate dehydrogenase kinase 4 gene expression in obese- and diabetic-derived myotubes. *Diabetes, Obesity and Metabolism*, **2009**, 11, 721-8	6.7	9
25	Maternal High Linoleic Acid Alters Placental Fatty Acid Composition. *Nutrients*, **2020**, 12,	6.7	9
24	The characterization of Abelson helper integration site-1 in skeletal muscle and its links to the metabolic syndrome. *Metabolism: Clinical and Experimental*, **2010**, 59, 1057-64	12.7	8
23	Tocotrienols and Whey Protein Isolates Substantially Increase Exercise Endurance Capacity in Diet -Induced Obese Male Sprague-Dawley Rats. *PLoS ONE*, **2016**, 11, e0152562	3.7	8
22	The Acute Effect of Oleic- or Linoleic Acid-Containing Meals on Appetite and Metabolic Markers; A Pilot Study in Overweight or Obese Individuals. *Nutrients*, **2018**, 10,	6.7	8

21	The therapeutic potential of GPR43: a novel role in modulating metabolic health. *Cellular and Molecular Life Sciences*, **2013**, 70, 4759-70	10.3	7
20	A randomised cross-over pilot study investigating the use of acupuncture to promote weight loss and mental health in overweight and obese individuals participating in a weight loss program. *Eating and Weight Disorders*, **2015**, 20, 379-87	3.6	6
19	Atypical cannabinoid ligands O-1602 and O-1918 administered chronically in diet-induced obesity. *Endocrine Connections*, **2019**, 8, 203-216	3.5	6
18	The Role of Atypical Cannabinoid Ligands O-1602 and O-1918 on Skeletal Muscle Homeostasis with a Focus on Obesity. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
17	Uptake of leptin and albumin via separate pathways in proximal tubule cells. *International Journal of Biochemistry and Cell Biology*, **2016**, 79, 194-198	5.6	6
16	Direct activation of the proposed anti-diabetic receptor, GPR119 in cardiomyoblasts decreases markers of muscle metabolic activity. *Molecular and Cellular Endocrinology*, **2015**, 402, 72-85	4.4	5
15	Proximate and phenolic composition of selected native Australian food plants. *International Journal of Food Science and Technology*, **2020**, 55, 2060-2079	3.8	4
14	Pregnancy and diet-related changes in the maternal gut microbiota following exposure to an elevated linoleic acid diet. *American Journal of Physiology - Endocrinology and Metabolism*, **2020**, 318, E276-E285	6	4
13	The effect of high maternal linoleic acid on endocannabinoid signalling in rodent hearts. *Journal of Developmental Origins of Health and Disease*, **2020**, 11, 617-622	2.4	4
12	Similar mitochondrial signaling responses to a single bout of continuous or small-sided-games-based exercise in sedentary men. *Journal of Applied Physiology*, **2016**, 121, 1326-1334	3.7	4
11	Exercise-Induced Improvements in Insulin Sensitivity Are Not Attenuated by a Family History of Type 2 Diabetes. *Frontiers in Endocrinology*, **2020**, 11, 120	5.7	4
10	Human adenovirus 36 improves insulin sensitivity and lipid profiles and increases inflammatory markers in Wistar rats. *Journal of Investigative Medicine*, **2020**, 68, 980-984	2.9	3
9	Maternal and Postnatal High Linoleic Acid Diet Impacts Lipid Metabolism in Adult Rat Offspring in a Sex-Specific Manner. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
8	Identification of Urinary Biomarkers for Exercise-Induced Immunosuppression by iTRAQ Proteomics. *BioMed Research International*, **2020**, 2020, 3030793	3	2
7	Development of a Chinese medicine pattern severity index for understanding eating disorders. *Journal of Alternative and Complementary Medicine*, **2012**, 18, 597-606	2.4	2
6	The effect of cyanidin-3-O-β-glucoside and peptides extracted from yoghurt on glucose uptake and gene expression in human primary skeletal muscle myotubes from obese and obese diabetic participants. *Journal of Functional Foods*, **2018**, 51, 55-64	5.1	2
5	Role for animal models in understanding essential fatty acid deficiency in cystic fibrosis. *Cellular and Molecular Life Sciences*, **2021**, 78, 7991-7999	10.3	1
4	Transforming Growth Factor Beta 1 Alters Glucose Uptake but Not Insulin Signalling in Human Primary Myotubes From Women With and Without Polycystic Ovary Syndrome. *Frontiers in Endocrinology*, **2021**, 12, 732338	5.7	0

3	Maternal diet high in linoleic acid alters offspring fatty acids and cardiovascular function in a rat model. *British Journal of Nutrition*, **2021**, 1-14	3.6	0
2	Consumer acceptability and antidiabetic properties of flakes and crackers developed from selected native Australian plant species. *International Journal of Food Science and Technology*, **2021**, 56, 4484-4495	3.8	0
1	Eight weeks of combined exercise training do not alter circulating microRNAs-29a, -133a, -133b, and -155 in young, healthy men.. *European Journal of Applied Physiology*, **2022**, 1	3.4	