

# Ian A Macdonald

## List of Publications by Year in descending order

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448  
papers

18,046  
citations

11651

70  
h-index

24258

110  
g-index

471  
all docs

471  
docs citations

471  
times ranked

15927  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-Scale Human Metabolomics Studies: A Strategy for Data (Pre-) Processing and Validation. <i>Analytical Chemistry</i> , 2006, 78, 567-574.	6.5	744
2	Restoration of hypoglycaemia awareness in patients with long-duration insulin-dependent diabetes. <i>Lancet, The</i> , 1994, 344, 283-287.	13.7	435
3	Integrative physiology of human adipose tissue. <i>International Journal of Obesity</i> , 2003, 27, 875-888.	3.4	361
4	The Effect of Flavanol-rich Cocoa on the fMRI Response to a Cognitive Task in Healthy Young People. <i>Journal of Cardiovascular Pharmacology</i> , 2006, 47, S215-S220.	1.9	269
5	Randomised controlled trial of four commercial weight loss programmes in the UK: initial findings from the BBC "œdiet trials". <i>BMJ: British Medical Journal</i> , 2006, 332, 1309-1314.	2.3	245
6	Deleterious effects of omitting breakfast on insulin sensitivity and fasting lipid profiles in healthy lean women. <i>American Journal of Clinical Nutrition</i> , 2005, 81, 388-396.	4.7	241
7	Beneficial metabolic effects of regular meal frequency on dietary thermogenesis, insulin sensitivity, and fasting lipid profiles in healthy obese women. <i>American Journal of Clinical Nutrition</i> , 2005, 81, 16-24.	4.7	212
8	Altered ventricular repolarization during hypoglycaemia in patients with diabetes. <i>Diabetic Medicine</i> , 1997, 14, 648-654.	2.3	211
9	Protection by lactate of cerebral function during hypoglycaemia. <i>Lancet, The</i> , 1994, 343, 16-20.	13.7	206
10	An improved technique for extracting catecholamines from body fluids. <i>Journal of Neuroscience Methods</i> , 1985, 13, 239-248.	2.5	198
11	Thermogenic effects of sibutramine in humans. <i>American Journal of Clinical Nutrition</i> , 1998, 68, 1180-1186.	4.7	182
12	Carbohydrate ingestion augments creatine retention during creatine feeding in humans. <i>Acta Physiologica Scandinavica</i> , 1996, 158, 195-202.	2.2	174
13	Altered Hierarchy of Protective Responses Against Severe Hypoglycemia in Normal Aging in Healthy Men. <i>Diabetes Care</i> , 1997, 20, 135-141.	8.6	173
14	High food wastage and low nutritional intakes in hospital patients. <i>Clinical Nutrition</i> , 2000, 19, 445-449.	5.0	171
15	Arterial, arterialized venous, venous and capillary blood glucose measurements in normal man during hyperinsulinaemic euglycaemia and hypoglycaemia. <i>Diabetologia</i> , 1992, 35, 287-290.	6.3	169
16	Effects of Acute Insulin-Induced Hypoglycemia on Indices of Inflammation. <i>Diabetes Care</i> , 2010, 33, 1591-1597.	8.6	165
17	No Difference Between High-Fructose and High-Glucose Diets on Liver Triacylglycerol or Biochemistry in Healthy Overweight Men. <i>Gastroenterology</i> , 2013, 145, 1016-1025.e2.	1.3	162
18	The impact of sarcopenia and myosteatosis on outcomes of unresectable pancreatic cancer or distal cholangiocarcinoma. <i>Clinical Nutrition</i> , 2016, 35, 1103-1109.	5.0	158

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19	Cimetidine and ranitidine: comparison of effects on hepatic drug metabolism.. BMJ: British Medical Journal, 1980, 281, 775-777.	2.3	153
20	Impaired Postprandial Adipose Tissue Blood Flow Response Is Related to Aspects of Insulin Sensitivity. Diabetes, 2002, 51, 2467-2473.	0.6	153
21	Asthma as a Barrier to Children's Physical Activity: Implications for Body Mass Index and Mental Health. Pediatrics, 2006, 118, 2443-2449.	2.1	152
22	Chronic oral ingestion of L-carnitine and carbohydrate increases muscle carnitine content and alters muscle fuel metabolism during exercise in humans. Journal of Physiology, 2011, 589, 963-973.	2.9	145
23	Functional magnetic resonance imaging of single motor events reveals human presupplementary motor area. Annals of Neurology, 1997, 42, 632-637.	5.3	136
24	A recipe for improving food intakes in elderly hospitalized patients. Clinical Nutrition, 2000, 19, 451-454.	5.0	136
25	Fat adaptation followed by carbohydrate loading compromises high-intensity sprint performance. Journal of Applied Physiology, 2006, 100, 194-202.	2.5	136
26	Regular meal frequency creates more appropriate insulin sensitivity and lipid profiles compared with irregular meal frequency in healthy lean women. European Journal of Clinical Nutrition, 2004, 58, 1071-1077.	2.9	133
27	Infusion of pramlintide, a human amylin analogue, delays gastric emptying in men with IDDM. Diabetologia, 1997, 40, 82-88.	6.3	132
28	The effect of sibutramine on energy expenditure and appetite during chronic treatment without dietary restriction. International Journal of Obesity, 1999, 23, 1016-1024.	3.4	129
29	Adipose tissue gene expression in obese subjects during low-fat and high-fat hypocaloric diets. Diabetologia, 2005, 48, 123-131.	6.3	126
30	Hormonal effects of thoracic extradural analgesia for cardiac surgery. British Journal of Anaesthesia, 1995, 75, 387-393.	3.4	123
31	Changes in cardiac repolarization during clinical episodes of nocturnal hypoglycaemia in adults with Type 1 diabetes. Diabetologia, 2004, 47, 312-315.	6.3	123
32	Men and women respond differently to rapid weight loss: Metabolic outcomes of a multi-centre intervention study after a low-energy diet in 2500 overweight, individuals with pre-diabetes (PREVIEW). Diabetes, Obesity and Metabolism, 2018, 20, 2840-2851.	4.4	120
33	Effect of carbohydrate ingestion on glycogen resynthesis in human liver and skeletal muscle, measured by <sup>13</sup> C MRS. American Journal of Physiology - Endocrinology and Metabolism, 2000, 278, E65-E75.	3.5	117
34	Hypoglycaemic counter-regulation at normal blood glucose concentrations in patients with well controlled type-2 diabetes. Lancet, The, 2000, 356, 1970-1974.	13.7	117
35	Alcohol causes hypoglycaemic unawareness in healthy volunteers and patients with Type 1 (insulin-dependent) diabetes. Diabetologia, 1990, 33, 216-221.	6.3	114
36	Breakfast Consumption Affects Appetite, Energy Intake, and the Metabolic and Endocrine Responses to Foods Consumed Later in the Day in Male Habitual Breakfast Eaters. Journal of Nutrition, 2011, 141, 1381-1389.	2.9	113

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37	The effect of Adrenaline upon Cardiovascular and Metabolic Functions in Man. <i>Clinical Science</i> , 1985, 69, 215-222.	4.3	111
38	Post-Exercise Reduction of Blood Pressure in Hypertensive Men is Not Due to Acute Impairment of Baroreflex Function. <i>Clinical Science</i> , 1984, 67, 97-103.	4.3	110
39	A review of recent evidence relating to sugars, insulin resistance and diabetes. <i>European Journal of Nutrition</i> , 2016, 55, 17-23.	4.6	110
40	Gender differences in counterregulation to hypoglycaemia. <i>Diabetologia</i> , 1993, 36, 460-464.	6.3	107
41	Superior mesenteric artery blood flow and gastric emptying in humans and the differential effects of high fat and high carbohydrate meals. <i>Gut</i> , 1994, 35, 186-190.	12.1	104
42	Lack of preservation of higher brain function during hypoglycaemia in patients with intensively-treated IDDM. <i>Diabetologia</i> , 1995, 38, 1412-1418.	6.3	103
43	The effect of single doses of pramlintide on gastric emptying of two meals in men with IDDM. <i>Diabetologia</i> , 1998, 41, 577-583.	6.3	102
44	Increased Whole Body Protein Breakdown Predominates over Increased Whole Body Protein Synthesis in Multiple Organ Failure. <i>Clinical Science</i> , 1993, 84, 655-661.	4.3	100
45	Is exercise good for high blood pressure?. <i>BMJ: British Medical Journal</i> , 1982, 285, 767-769.	2.3	99
46	The sympathetic nervous system and obesity: role in aetiology and treatment. <i>Obesity Reviews</i> , 2000, 1, 5-15.	6.5	99
47	Effects of Physiological Hypercortisolemia on the Regulation of Lipolysis in Subcutaneous Adipose Tissue. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998, 83, 626-631.	3.6	96
48	INFLUENCE OF SYMPATHETIC NERVOUS SYSTEM ON HYPOGLYCAEMIC WARNING SYMPTOMS. <i>Lancet</i> , The, 1987, 330, 359-363.	13.7	95
49	Effects of Meal Composition on the Postprandial Blood Pressure, Catecholamine and Insulin Changes in Elderly Subjects. <i>Clinical Science</i> , 1989, 77, 265-272.	4.3	92
50	Cardiorespiratory responses to underwater treadmill walking in healthy females. <i>European Journal of Applied Physiology</i> , 1998, 77, 278-284.	2.5	92
51	Measurement of human tricarboxylic acid cycle rates during visual activation by <sup>13</sup> C magnetic resonance spectroscopy. <i>Journal of Neuroscience Research</i> , 2001, 66, 737-746.	2.9	92
52	Effect of Oral Creatine Supplementation on Respiratory Gas Exchange and Blood Lactate Accumulation during Steady-State Incremental Treadmill Exercise and Recovery in Man. <i>Clinical Science</i> , 1994, 87, 707-710.	4.3	91
53	Hypoglycaemia, Hypothermia and Shivering in Man. <i>Clinical Science</i> , 1981, 61, 463-469.	4.3	89
54	Replacement of dietary fat by sucrose or starch: Effects on 14â€¦ad libitum energy intake, energy expenditure and body weight in formerly obese and never-obese subjects. <i>International Journal of Obesity</i> , 1997, 21, 846-859.	3.4	89

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55	Nutrition and growth in relation to severity of renal disease in children. <i>Pediatric Nephrology</i> , 2000, 15, 259-265.	1.7	88
56	Comparison of the effect of daily consumption of probiotic compared with low-fat conventional yogurt on weight loss in healthy obese women following an energy-restricted diet: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 323-329.	4.7	88
57	Decreased thermic effect of food after an irregular compared with a regular meal pattern in healthy lean women. <i>International Journal of Obesity</i> , 2004, 28, 653-660.	3.4	86
58	Tumour Necrosis Factor- $\alpha$ , Resting Energy Expenditure and Cachexia in Cystic Fibrosis. <i>Clinical Science</i> , 1993, 85, 563-568.	4.3	85
59	Effects of high-intensity exercise on plasma catecholamines in the Thoroughbred horse. <i>Equine Veterinary Journal</i> , 1992, 24, 462-467.	1.7	82
60	Differential regulation of metabolic genes in skeletal muscle during starvation and refeeding in humans. <i>Journal of Physiology</i> , 2006, 575, 291-303.	2.9	80
61	Randomized, multi-center trial of two hypo-energetic diets in obese subjects: high- versus low-fat content. <i>International Journal of Obesity</i> , 2006, 30, 552-560.	3.4	80
62	Short-term starvation and mitochondrial dysfunction – A possible mechanism leading to postoperative insulin resistance. <i>Clinical Nutrition</i> , 2009, 28, 497-509.	5.0	78
63	Counterregulation during spontaneous nocturnal hypoglycemia in prepubertal children with type 1 diabetes. <i>Diabetes Care</i> , 1999, 22, 1144-1150.	8.6	77
64	Oesophageal cancer and cachexia: the effect of short-term treatment with thalidomide on weight loss and lean body mass. <i>Alimentary Pharmacology and Therapeutics</i> , 2003, 17, 677-682.	3.7	77
65	Prolonged cardiac repolarisation during spontaneous nocturnal hypoglycaemia in children and adolescents with type 1 diabetes. <i>Diabetologia</i> , 2004, 47, 1940-1947.	6.3	77
66	The assay of the catecholamine content of small volumes of human plasma. <i>Biomedical Chromatography</i> , 1999, 13, 209-215.	1.7	76
67	Effects of Physiological Hypercortisolemia on the Regulation of Lipolysis in Subcutaneous Adipose Tissue. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998, 83, 626-631.	3.6	76
68	Effects of insulin on adipose tissue blood flow in man. <i>Journal of Physiology</i> , 2002, 540, 1087-1093.	2.9	74
69	Well-Being, Cerebral Function, and Physical Fatigue After Nocturnal Hypoglycemia in IDDM. <i>Diabetes Care</i> , 1998, 21, 341-345.	8.6	73
70	Influence of Autonomic Neuropathy on QTc Interval Lengthening During Hypoglycemia in Type 1 Diabetes. <i>Diabetes</i> , 2004, 53, 1535-1542.	0.6	73
71	PREVIEW: Prevention of Diabetes through Lifestyle Intervention and Population Studies in Europe and around the World. Design, Methods, and Baseline Participant Description of an Adult Cohort Enrolled into a Three-Year Randomised Clinical Trial. <i>Nutrients</i> , 2017, 9, 632.	4.1	72
72	Substrate availability limits human skeletal muscle oxidative ATP regeneration at the onset of ischemic exercise. <i>Journal of Clinical Investigation</i> , 1998, 101, 79-85.	8.2	71

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73	High-Fat/Low-Carbohydrate Diet Reduces Insulin-Stimulated Carbohydrate Oxidation but Stimulates Nonoxidative Glucose Disposal in Humans: An Important Role for Skeletal Muscle Pyruvate Dehydrogenase Kinase 4. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 284-292.	3.6	70
74	The effect of meal size on the cardiovascular responses to food ingestion. <i>British Journal of Nutrition</i> , 1994, 71, 835-848.	2.3	69
75	Effects of Glycemic Control on Protective Responses Against Hypoglycemia in Type 2 Diabetes. <i>Diabetes Care</i> , 1998, 21, 283-290.	8.6	69
76	Metabolic and inflammatory responses to pulmonary exacerbation in adults with cystic fibrosis. <i>European Journal of Clinical Investigation</i> , 2000, 30, 553-559.	3.4	69
77	Increased acetyl group availability enhances contractile function of canine skeletal muscle during ischemia.. <i>Journal of Clinical Investigation</i> , 1996, 97, 879-883.	8.2	69
78	Thoracic epidural analgesia started after cardiopulmonary bypass. <i>Anaesthesia</i> , 1997, 52, 294-299.	3.8	68
79	The effect of starvation on insulin-induced glucose disposal and thermogenesis in humans. <i>Metabolism: Clinical and Experimental</i> , 1990, 39, 502-510.	3.4	67
80	Fat Oxidation before and after a High Fat Load in the Obese Insulin-Resistant State. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006, 91, 1462-1469.	3.6	66
81	The Measurement of Cognitive Function During Acute Hypoglycaemia: Experimental Limitations and Their Effect on the Study of Hypoglycaemia Unawareness. <i>Diabetic Medicine</i> , 1996, 13, 607-615.	2.3	65
82	Stimulatory effect of insulin on creatine accumulation in human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998, 275, E974-E979.	3.5	65
83	Blood Pressure, Heart Rate and Neuroendocrine Responses to a High Carbohydrate and a High Fat Meal in Healthy Young Subjects. <i>Clinical Science</i> , 1990, 79, 517-522.	4.3	64
84	The Physiological Effects of Insulin-Induced Hypoglycaemia in Man: Responses at Differing Levels of Blood Glucose. <i>Clinical Science</i> , 1983, 65, 263-271.	4.3	63
85	Brain function rescue effect of lactate following hypoglycaemia is not an adaptation process in both normal and Type I diabetic subjects. <i>Diabetologia</i> , 2000, 43, 733-741.	6.3	63
86	Body water compartment measurements: A comparison of bioelectrical impedance analysis with tritium and sodium bromide dilution techniques. <i>Clinical Nutrition</i> , 2001, 20, 339-343.	5.0	63
87	Catecholamines and the control of metabolism in man. <i>Clinical Science</i> , 1985, 68, 613-619.	4.3	62
88	Prolonged but partial impairment of the hypoglycaemic physiological response following short-term hypoglycaemia in normal subjects. <i>Diabetologia</i> , 1995, 38, 1183-1190.	6.3	62
89	<b>Modification and validation of a commercially available portable detector for measurement of adipose tissue blood flow</b>. <i>Clinical Physiology</i> , 1995, 15, 241-248.	0.7	62
90	Genetic Polymorphisms and Weight Loss in Obesity: A Randomised Trial of Hypo-Energetic High- versus Low-Fat Diets. <i>PLOS Clinical Trials</i> , 2006, 1, e12.	3.5	62

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91	Macronutrient-specific effect of FTO rs9939609 in response to a 10-week randomized hypo-energetic diet among obese Europeans. <i>International Journal of Obesity</i> , 2009, 33, 1227-1234.	3.4	62
92	TCF7L2 rs7903146â€™macronutrient interaction in obese individualsâ€™™ responses to a 10-wk randomized hypoenergetic diet. <i>American Journal of Clinical Nutrition</i> , 2010, 91, 472-479.	4.7	62
93	Changes in body composition during weight loss in obese subjects in the NUGENOB study: Comparison of bioelectrical impedance vs. dual-energy X-ray absorptiometry. <i>Diabetes and Metabolism</i> , 2011, 37, 222-229.	2.9	62
94	The cardiovascular, metabolic and hormonal changes accompanying acute starvation in men and women. <i>British Journal of Nutrition</i> , 1994, 71, 437-447.	2.3	61
95	Gender-Dependent Associations of Metabolite Profiles and Body Fat Distribution in a Healthy Population with Central Obesity: Towards Metabolomics Diagnostics. <i>OMICS A Journal of Integrative Biology</i> , 2012, 16, 652-667.	2.0	61
96	The role of rutin and quercitrin in stimulating flavonol glycosidase activity by cultured cell-free microbial preparations of human feces and saliva. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1983, 122, 95-102.	1.1	60
97	Effects of epinephrine infusion on adipose tissue: interactions between blood flow and lipid metabolism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1996, 271, E834-E839.	3.5	60
98	Effects of Bolus and Continuous Nasogastric Feeding on Gastric Emptying, Small Bowel Water Content, Superior Mesenteric Artery Blood Flow, and Plasma Hormone Concentrations in Healthy Adults. <i>Annals of Surgery</i> , 2016, 263, 450-457.	4.2	60
99	Intravenous Lactate Prevents Cerebral Dysfunction during Hypoglycaemia in Insulin-Dependent Diabetes Mellitus. <i>Clinical Science</i> , 1998, 94, 157-163.	4.3	59
100	Effects of adrenaline and potassium on QTc interval and QT dispersion in man. <i>European Journal of Clinical Investigation</i> , 2003, 33, 93-98.	3.4	59
101	Effect of estradiol on the sympathoadrenal response to mental stress in normal men.. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1994, 79, 836-840.	3.6	58
102	The combined effects of exercise and food intake on adipose tissue and splanchnic metabolism. <i>Journal of Physiology</i> , 2004, 561, 871-882.	2.9	58
103	Elevated Free Fatty Acids Attenuate the Insulin-Induced Suppression of PDK4 Gene Expression in Human Skeletal Muscle: Potential Role of Intramuscular Long-Chain Acyl-Coenzyme A. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 3967-3972.	3.6	58
104	Skeletal muscle carnitine loading increases energy expenditure, modulates fuel metabolism gene networks and prevents body fat accumulation in humans. <i>Journal of Physiology</i> , 2013, 591, 4655-4666.	2.9	58
105	Body composition measurement using computed tomography: Does the phase of the scan matter?. <i>Nutrition</i> , 2017, 41, 37-44.	2.4	58
106	A comparison of three methods to assess body composition. <i>Nutrition</i> , 2018, 47, 1-5.	2.4	58
107	The <sc>PREVIEW</sc> intervention study: Results from a 3â€™year randomized 2 x 2 factorial multinational trial investigating the role of protein, glycaemic index and physical activity for prevention of type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2021, 23, 324-337.	4.4	58
108	In vivo measurement of colonic butyrate metabolism in patients with quiescent ulcerative colitis. <i>Gut</i> , 2000, 46, 73-77.	12.1	57



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109	Effect of bran particle size on gastric emptying and small bowel transit in humans: a scintigraphic study.. <i>Gut</i> , 1995, 37, 216-219.	12.1	56
110	The reduction in postprandial lipemia after exercise is independent of the relative contributions of fat and carbohydrate to energy metabolism during exercise. <i>Metabolism: Clinical and Experimental</i> , 1999, 48, 245-251.	3.4	53
111	Doseâ€response effect of a whey protein preload on within-day energy intake in lean subjects. <i>British Journal of Nutrition</i> , 2010, 104, 1858-1867.	2.3	53
112	The influence of streptozotocin-induced diabetes mellitus on fluid and electrolyte handling in rats. <i>Clinical Science</i> , 1986, 70, 111-117.	4.3	52
113	Obesityâ€related Polymorphisms and Their Associations With the Ability to Regulate Fat Oxidation in Obese Europeans: The NUGENOB Study. <i>Obesity</i> , 2010, 18, 1369-1377.	3.0	52
114	Dietary carbohydrates: a review of international recommendations and the methods used to derive them. <i>European Journal of Clinical Nutrition</i> , 2018, 72, 1625-1643.	2.9	51
115	Effect of Hypoglycemia on Inflammatory Responses and the Response to Low-Dose Endotoxemia in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 1187-1199.	3.6	51
116	Applications of multi-nuclear magnetic resonance spectroscopy at 7T. <i>World Journal of Radiology</i> , 2011, 3, 105.	1.1	51
117	Cardiovascular responses to a high-fat and a high-carbohydrate meal in healthy elderly subjects. <i>Clinical Science</i> , 1993, 84, 263-270.	4.3	49
118	Resistance exercise training improves age-related declines in leg vascular conductance and rejuvenates acute leg blood flow responses to feeding and exercise. <i>Journal of Applied Physiology</i> , 2012, 112, 347-353.	2.5	48
119	The effect of undernutrition on thermoregulation in the elderly. <i>Clinical Science</i> , 1985, 69, 525-532.	4.3	47
120	Betaâ€adrenoceptor blockade and hypoglycaemia. A randomised, doubleâ€blind, placebo controlled comparison of metoprolol CR, atenolol and propranolol LA in normal subjects.. <i>British Journal of Clinical Pharmacology</i> , 1990, 29, 685-693.	2.4	47
121	Muscle Metabolism, Temperature, and Function During Prolonged, Intermittent, High-Intensity Running in Air Temperatures of 33 Å and 17 Å°C. <i>International Journal of Sports Medicine</i> , 2005, 26, 805-814.	1.7	47
122	Cellular Mechanisms Underlying the Protective Effects of Preoperative Feeding. <i>Annals of Surgery</i> , 2010, 252, 247-253.	4.2	47
123	Counterregulation in Type 2 (non-insulin-dependent) diabetes mellitus. Normal endocrine and glycaemic responses, up to ten years after diagnosis. <i>Diabetologia</i> , 1987, 30, 924-929.	6.3	46
124	Physiological disturbances in hypoglycaemia: Effect on subjective awareness. <i>Clinical Science</i> , 1991, 81, 1-9.	4.3	46
125	Investigation of the haemodynamic effects of exenatide in healthy male subjects. <i>British Journal of Clinical Pharmacology</i> , 2012, 74, 437-444.	2.4	46
126	VII. Determination of catecholamines in tissue and body fluids using microbore HPLC with amperometric detection. <i>Life Sciences</i> , 1985, 37, 1803-1810.	4.3	45



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127	The Effect of Intravenous Lactate on Cerebral Function During Hypoglycaemia. , 1997, 14, 19-28.		45
128	Asthma as a Barrier to Children's Physical Activity: In Reply. Pediatrics, 2007, 119, 1248-1249.	2.1	45
129	Double blind clinical and laboratory study of hypoglycaemia with human and porcine insulin in diabetic patients reporting hypoglycaemia unawareness after transferring to human insulin.. BMJ: British Medical Journal, 1993, 306, 167-171.	2.3	44
130	Euglycaemic hyperinsulinaemia does not affect gastric emptying in Type I and Type II diabetes mellitus. Diabetologia, 1999, 42, 365-372.	6.3	44
131	Beneficial effect of high energy intake at lunch rather than dinner on weight loss in healthy obese women in a weight-loss program: a randomized clinical trial. American Journal of Clinical Nutrition, 2016, 104, 982-989.	4.7	44
132	Prolonged Prothrombotic Effects of Antecedent Hypoglycemia in Individuals With Type 2 Diabetes. Diabetes Care, 2018, 41, 2625-2633.	8.6	44
133	Adaptation to mild hypoglycaemia in normal subjects despite sustained increases in counter-regulatory hormones. Diabetologia, 1989, 32, 249-254.	6.3	43
134	Irregular meal-pattern effects on energy expenditure, metabolism, and appetite regulation: a randomized controlled trial in healthy normal-weight women. American Journal of Clinical Nutrition, 2016, 104, 21-32.	4.7	43
135	An automated method for the measurement of oxygen consumption and carbon dioxide excretion in man. Clinical Physics and Physiological Measurement: an Official Journal of the Hospital Physicists' Association, Deutsche Gesellschaft Fur Medizinische Physik and the European Federation of Organisations for Medical Physics. 1985. 6. 349-355.	0.5	42
136	Abnormal Thermoregulation in Diabetic Autonomic Neuropathy. Diabetes, 1988, 37, 961-968.	0.6	42
137	Evolution and resolution of human brain perfusion responses to the stress of induced hypoglycemia. NeuroImage, 2010, 53, 584-592.	4.2	42
138	Orange juice consumption and its effect on blood lipid profile and indices of the metabolic syndrome; a randomised, controlled trial in an at-risk population. Food and Function, 2016, 7, 1884-1891.	4.6	42
139	Increased liver fat and glycogen stores after consumption of high versus low glycaemic index food: A randomized crossover study. Diabetes, Obesity and Metabolism, 2017, 19, 70-77.	4.4	42
140	The effects of acute or chronic ingestion of propranolol or metoprolol on the physiological responses to prolonged, submaximal exercise in hypertensive men.. British Journal of Clinical Pharmacology, 1984, 17, 273-281.	2.4	41
141	Exercise under hyperinsulinaemic conditions increases whole-body glucose disposal without affecting muscle glycogen utilisation in type 1 diabetes. Diabetologia, 2007, 50, 414-421.	6.3	41
142	Fat Oxidation during Exercise and Satiety during Recovery Are Increased following a Low-Glycemic Index Breakfast in Sedentary Women. Journal of Nutrition, 2009, 139, 890-897.	2.9	41
143	Investigating the effects of an oral fructose challenge on hepatic ATP reserves in healthy volunteers: A 31P MRS study. Clinical Nutrition, 2016, 35, 645-649.	5.0	40
144	Effects of hyperinsulinaemia on the cardiovascular responses to graded hypovolaemia in normal and diabetic subjects. Clinical Science, 1988, 75, 85-92.	4.3	39

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145	Depressor Action of Insulin on Skeletal Muscle Vasculature: A Novel Mechanism for Postprandial Hypotension in the Elderly. <i>Journal of the American College of Cardiology</i> , 1998, 31, 209-216.	2.8	38
146	Rutin-induced beta-glucosidase activity in <i>Streptococcus faecium</i> VGH-1 and <i>Streptococcus</i> sp. strain FRP-17 isolated from human feces: formation of the mutagen, quercetin, from rutin. <i>Applied and Environmental Microbiology</i> , 1984, 47, 350-355.	3.1	38
147	The Effect of Caffeine on Postprandial Hypotension in the Elderly. <i>Journal of the American Geriatrics Society</i> , 1991, 39, 160-164.	2.6	37
148	Patients with Type 1 Diabetes Adapt Acutely to Sustained Mild Hypoglycaemia. <i>Diabetic Medicine</i> , 1991, 8, 123-128.	2.3	37
149	Optimising nutrition in chronic renal insufficiency?growth. <i>Pediatric Nephrology</i> , 2004, 19, 1245-1252.	1.7	37
150	The effects of fasting and refeeding with a "metabolic preconditioning"™ drink on substrate reserves and mononuclear cell mitochondrial function. <i>Clinical Nutrition</i> , 2010, 29, 538-544.	5.0	37
151	Separate and combined effects of 21-day bed rest and hypoxic confinement on body composition. <i>European Journal of Applied Physiology</i> , 2014, 114, 2411-2425.	2.5	37
152	Molecular reductions in glucokinase activity increase counter-regulatory responses to hypoglycemia in mice and humans with diabetes. <i>Molecular Metabolism</i> , 2018, 17, 17-27.	6.5	37
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