

Gary S Frost

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

176
papers

8,131
citations

41
h-index

88
g-index

192
ext. papers

10,053
ext. citations

7.9
avg, IF

5.85
L-index

#	Paper	IF	Citations
176	Four groups of type 2 diabetes contribute to the etiological and clinical heterogeneity in newly diagnosed individuals: An IMI DIRECT study.. <i>Cell Reports Medicine</i> , 2022 , 3, 100477	18	1
175	Evidence-Based Tools for Dietary Assessments in Nutrition Epidemiology Studies for Dementia Prevention.. <i>Journal of Prevention of Alzheimer's Disease</i> , 2022 , 9, 49-53	3.8	0
174	Strategies to ensure continuity of nutritional care in patients with COVID-19 infection on discharge from hospital: A rapid review.. <i>Clinical Nutrition ESPEN</i> , 2022 , 47, 106-116	1.3	0
173	Whole blood versus red cell concentrates for children with severe anaemia: a secondary analysis of the Transfusion and Treatment of African Children (TRACT) trial.. <i>The Lancet Global Health</i> , 2022 , 10, e360-e368	13.6	1
172	Food environments and obesity: A geospatial analysis of the South Asia Biobank, income and sex inequalities.. <i>SSM - Population Health</i> , 2022 , 17, 101055	3.8	2
171	The impact of the consumer and neighbourhood food environment on dietary intake and obesity-related outcomes: A systematic review of causal impact studies.. <i>Social Science and Medicine</i> , 2022 , 299, 114879	5.1	3
170	Food environment and diabetes mellitus in South Asia: A geospatial analysis of health outcome data.. <i>PLoS Medicine</i> , 2022 , 19, e1003970	11.6	2
169	Processes Underlying Glycemic Deterioration in Type 2 Diabetes: An IMI DIRECT Study. <i>Diabetes Care</i> , 2021 , 44, 511-518	14.6	6
168	Odd Chain Fatty Acids Are Not Robust Biomarkers for Dietary Intake of Fiber. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2100316	5.9	
167	Food/Non-Food Classification of Real-Life Egocentric Images in Low- and Middle-Income Countries Based on Image Tagging Features. <i>Frontiers in Artificial Intelligence</i> , 2021 , 4, 644712	3	1
166	Effect of ultraprocessed food intake on cardiometabolic risk is mediated by diet quality: a cross-sectional study. <i>BMJ Nutrition, Prevention and Health</i> , 2021 , 4, 174-180	6.7	3
165	The Effect of a Single Bout of Continuous Aerobic Exercise on Glucose, Insulin and Glucagon Concentrations Compared to Resting Conditions in Healthy Adults: A Systematic Review, Meta-Analysis and Meta-Regression. <i>Sports Medicine</i> , 2021 , 51, 1949-1966	10.6	4
164	Contribution of reformulation, product renewal, and changes in consumer behavior to the reduction of salt intakes in the UK population between 2008/2009 and 2016/2017. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 1092-1099	7	3
163	Modifying gut integrity and microbiome in children with severe acute malnutrition using legume-based feeds (MIMBLE): A pilot trial. <i>Cell Reports Medicine</i> , 2021 , 2, 100280	18	1
162	The impact of starchy food structure on postprandial glycemic response and appetite: a systematic review with meta-analysis of randomized crossover trials. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 472-487	7	3
161	A UK survey of nutritional care pathways for patients with COVID-19 prior to and post-hospital stay. <i>Journal of Human Nutrition and Dietetics</i> , 2021 , 34, 660-669	3.1	5
160	Minor changes in fibre intake in the UK population between 2008/2009 and 2016/2017. <i>European Journal of Clinical Nutrition</i> , 2021 ,	5.2	2

159	Data Resource Profile: Understanding the patterns and determinants of health in South Asians-the South Asia Biobank. <i>International Journal of Epidemiology</i> , 2021 , 50, 717-718e	7.8	4
158	Enhanced triacylglycerol catabolism by carboxylesterase 1 promotes aggressive colorectal carcinoma. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	5
157	The association of mycoprotein-based food consumption with diet quality, energy intake and non-communicable diseases' risk in the UK adult population using the National Diet and Nutrition Survey (NDNS) years 2008/2009-2016/2017: a cross-sectional study. <i>British Journal of Nutrition</i> , 2021 , 1-10	3.6	4
156	Incidence and predictors of hospital readmission in children presenting with severe anaemia in Uganda and Malawi: a secondary analysis of TRACT trial data. <i>BMC Public Health</i> , 2021 , 21, 1480	4.1	2
155	What is the impact of food reformulation on individuals' behaviour, nutrient intakes and health status? A systematic review of empirical evidence. <i>Obesity Reviews</i> , 2021 , 22, e13139	10.6	8
154	The Effect of Standard Versus Longer Intestinal Bypass on GLP-1 Regulation and Glucose Metabolism in Patients With Type 2 Diabetes Undergoing Roux-en-Y Gastric Bypass: The Long-Limb Study. <i>Diabetes Care</i> , 2021 , 44, 1082-1090	14.6	7
153	Long limb compared with standard limb Roux-en-Y gastric bypass for type 2 diabetes and obesity: the LONG LIMB RCT. <i>Efficacy and Mechanism Evaluation</i> , 2021 , 8, 1-54	1.7	4
152	Higher dietary fibre intake is associated with increased skeletal muscle mass and strength in adults aged 40 years and older. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021 ,	10.3	3
151	The iHealth-T2D study, prevention of type 2 diabetes amongst South Asians with central obesity and prediabetes: study protocol for a randomised controlled trial.. <i>Trials</i> , 2021 , 22, 928	2.8	
150	Nutriome-metabolome relationships provide insights into dietary intake and metabolism. <i>Nature Food</i> , 2020 , 1, 426-436	14.4	15
149	Dietary metabotype modelling predicts individual responses to dietary interventions. <i>Nature Food</i> , 2020 , 1, 355-364	14.4	14
148	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts. <i>PLoS Medicine</i> , 2020 , 17, e1003149	11.6	18
147	Short-chain fatty acids as potential regulators of skeletal muscle metabolism and function. <i>Nature Metabolism</i> , 2020 , 2, 840-848	14.6	66
146	Long Term Exposure to a Grape Seed Proanthocyanidin Extract Enhances L-Cell Differentiation in Intestinal Organoids. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e2000303	5.9	5
145	Development and Validation of an Objective, Passive Dietary Assessment Method for Estimating Food and Nutrient Intake in Households in Low- and Middle-Income Countries: A Study Protocol. <i>Current Developments in Nutrition</i> , 2020 , 4, nzaa020	0.4	3
144	Effects of mycoprotein on glycaemic control and energy intake in humans: a systematic review. <i>British Journal of Nutrition</i> , 2020 , 123, 1321-1332	3.6	9
143	The role of physical activity in metabolic homeostasis before and after the onset of type 2 diabetes: an IMI DIRECT study. <i>Diabetologia</i> , 2020 , 63, 744-756	10.3	4
142	Low-energy total diet replacement intervention in patients with type 2 diabetes mellitus and obesity treated with insulin: a randomized trial. <i>BMJ Open Diabetes Research and Care</i> , 2020 , 8,	4.5	12

141	Chemical biology of noncanonical G protein-coupled receptor signaling: Toward advanced therapeutics. <i>Current Opinion in Chemical Biology</i> , 2020 , 56, 98-110	9.7	5
140	The Relationship between Fish Intake and Urinary Trimethylamine-N-Oxide. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e1900799	5.9	10
139	Moderate intensity exercise training combined with inulin-propionate ester supplementation increases whole body resting fat oxidation in overweight women. <i>Metabolism: Clinical and Experimental</i> , 2020 , 104, 154043	12.7	7
138	Longitudinal Multi-omics Reveals Subset-Specific Mechanisms Underlying Irritable Bowel Syndrome. <i>Cell</i> , 2020 , 182, 1460-1473.e17	56.2	63
137	Healthy Foods and Healthy Diets. How Government Policies Can Steer Food Reformulation. <i>Nutrients</i> , 2020 , 12,	6.7	6
136	Identifying unknown metabolites using NMR-based metabolic profiling techniques. <i>Nature Protocols</i> , 2020 , 15, 2538-2567	18.8	38
135	Short Chain Fatty Acids Enhance Expression and Activity of the Umami Taste Receptor in Enteroendocrine Cells via a GIP Pathway. <i>Frontiers in Nutrition</i> , 2020 , 7, 568991	6.2	8
134	Investigating the Role of Diet and Exercise in Gut Microbe-Host Cometabolism. <i>MSystems</i> , 2020 , 5,	7.6	4
133	Dietary metabolite profiling brings new insight into the relationship between nutrition and metabolic risk: An IMI DIRECT study. <i>EBioMedicine</i> , 2020 , 58, 102932	8.8	2
132	Modulation of the Gut Microbiota by Olive Oil Phenolic Compounds: Implications for Lipid Metabolism, Immune System, and Obesity. <i>Nutrients</i> , 2020 , 12,	6.7	29
131	A natural mutation in <i>Pisum sativum</i> L. (pea) alters starch assembly and improves glucose homeostasis in humans. <i>Nature Food</i> , 2020 , 1, 693-704	14.4	15
130	A Standardized Strategy for Simultaneous Quantification of Urine Metabolites to Validate Development of a Biomarker Panel Allowing Comprehensive Assessment of Dietary Exposure. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e2000517	5.9	3
129	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts 2020 , 17, e1003149		
128	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts 2020 , 17, e1003149		
127	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts 2020 , 17, e1003149		
126	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts 2020 , 17, e1003149		
125	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts 2020 , 17, e1003149		
124	Co-trimoxazole or multivitamin multimineral supplement for post-discharge outcomes after severe anaemia in African children: a randomised controlled trial. <i>The Lancet Global Health</i> , 2019 , 7, e1435-e1447	13.6	8

123	Discovery of biomarkers for glycaemic deterioration before and after the onset of type 2 diabetes: descriptive characteristics of the epidemiological studies within the IMI DIRECT Consortium. <i>Diabetologia</i> , 2019 , 62, 1601-1615	10.3	14
122	Spot and Cumulative Urine Samples Are Suitable Replacements for 24-Hour Urine Collections for Objective Measures of Dietary Exposure in Adults Using Metabolite Biomarkers. <i>Journal of Nutrition</i> , 2019 , 149, 1692-1700	4.1	15
121	Combined GLP-1, Oxyntomodulin, and Peptide YY Improves Body Weight and Glycemia in Obesity and Prediabetes/Type 2 Diabetes: A Randomized, Single-Blinded, Placebo-Controlled Study. <i>Diabetes Care</i> , 2019 , 42, 1446-1453	14.6	47
120	Effects of Inulin Propionate Ester Incorporated into Palatable Food Products on Appetite and Resting Energy Expenditure: A Randomised Crossover Study. <i>Nutrients</i> , 2019 , 11,	6.7	12
119	Dietary supplementation with inulin-propionate ester or inulin improves insulin sensitivity in adults with overweight and obesity with distinct effects on the gut microbiota, plasma metabolome and systemic inflammatory responses: a randomised cross-over trial. <i>Gut</i> , 2019 , 68, 1430-1438	19.2	134
118	The effects of dietary supplementation with inulin and inulin-propionate ester on hepatic steatosis in adults with non-alcoholic fatty liver disease. <i>Diabetes, Obesity and Metabolism</i> , 2019 , 21, 372-376	6.7	42
117	Intakes and Food Sources of Dietary Fibre and Their Associations with Measures of Body Composition and Inflammation in UK Adults: Cross-Sectional Analysis of the Airwave Health Monitoring Study. <i>Nutrients</i> , 2019 , 11,	6.7	11
116	A randomized controlled trial for overweight and obesity in preschoolers: the More and Less Europe study – an intervention within the STOP project. <i>BMC Public Health</i> , 2019 , 19, 945	4.1	13
115	Validation of the Oxford WebQ Online 24-Hour Dietary Questionnaire Using Biomarkers. <i>American Journal of Epidemiology</i> , 2019 , 188, 1858-1867	3.8	28
114	Measuring phenotypic flexibility by transcriptome time-course analyses during challenge tests before and after energy restriction. <i>FASEB Journal</i> , 2019 , 33, 10280-10290	0.9	3
113	Transfusion Volume for Children with Severe Anemia in Africa. <i>New England Journal of Medicine</i> , 2019 , 381, 420-431	59.2	27
112	Immediate Transfusion in African Children with Uncomplicated Severe Anemia. <i>New England Journal of Medicine</i> , 2019 , 381, 407-419	59.2	41
111	Gene-diet quality interactions on haemoglobin A1c and type 2 diabetes risk: The Airwave Health Monitoring Study. <i>Endocrinology, Diabetes and Metabolism</i> , 2019 , 2, e00074	2.7	5
110	Exploration of muscle loss and metabolic state during prolonged critical illness: Implications for intervention?. <i>PLoS ONE</i> , 2019 , 14, e0224565	3.7	16
109	A study protocol for a randomised crossover study evaluating the effect of diets differing in carbohydrate quality on ileal content and appetite regulation in healthy humans. <i>F1000Research</i> , 2019 , 8, 258	3.6	2
108	Regulation of energy expenditure and substrate oxidation by short-chain fatty acids. <i>Journal of Endocrinology</i> , 2019 , 242, R1-R8	4.7	12
107	Short chain fatty acids stimulate insulin secretion and reduce apoptosis in mouse and human islets in vitro: Role of free fatty acid receptor 2. <i>Diabetes, Obesity and Metabolism</i> , 2019 , 21, 330-339	6.7	43
106	Carbohydrate and human health: is it all about quality?. <i>Lancet, The</i> , 2019 , 393, 384-386	40	12

105	Nutrient profiling and adherence to components of the UK national dietary guidelines association with metabolic risk factors for CVD and diabetes: Airwave Health Monitoring Study. <i>British Journal of Nutrition</i> , 2018 , 119, 695-705	3.6	10
104	Plasma metabolome analysis identifies distinct human metabolotypes in the postprandial state with different susceptibility to weight loss-mediated metabolic improvements. <i>FASEB Journal</i> , 2018 , 32, 5447-5458	0.9	28
103	The effect of L-rhamnose on intestinal transit time, short chain fatty acids and appetite regulation: a pilot human study using combined CO/H breath tests. <i>Journal of Breath Research</i> , 2018 , 12, 046006	3.1	7
102	Validity of an online 24-h recall tool (myfood24) for dietary assessment in population studies: comparison with biomarkers and standard interviews. <i>BMC Medicine</i> , 2018 , 16, 136	11.4	43
101	Modifying intestinal integrity and microbiome in Severe Malnutrition with Gume-Based Feeds (MIMBLE 2.0): protocol for a phase II refined feed and intervention trial. <i>Wellcome Open Research</i> , 2018 , 3, 95	4.8	2
100	A cross-sectional investigation into the occupational and socio-demographic characteristics of British police force employees reporting a dietary pattern associated with cardiometabolic risk: findings from the Airwave Health Monitoring Study. <i>European Journal of Nutrition</i> , 2018 , 57, 2913-2926	5.2	12
99	Acute oral sodium propionate supplementation raises resting energy expenditure and lipid oxidation in fasted humans. <i>Diabetes, Obesity and Metabolism</i> , 2018 , 20, 1034-1039	6.7	49
98	Role of Gut Microbiota-Generated Short-Chain Fatty Acids in Metabolic and Cardiovascular Health. <i>Current Nutrition Reports</i> , 2018 , 7, 198-206	6	271
97	APOE4 Genotype Exerts Greater Benefit in Lowering Plasma Cholesterol and Apolipoprotein B than Wild Type (E3/E3), after Replacement of Dietary Saturated Fats with Low Glycaemic Index Carbohydrates. <i>Nutrients</i> , 2018 , 10,	6.7	20
96	Objective assessment of dietary patterns by use of metabolic phenotyping: a randomised, controlled, crossover trial. <i>Lancet Diabetes and Endocrinology</i> , 2017 , 5, 184-195	18.1	143
95	A metabolomic study of biomarkers of meat and fish intake. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 600-608	7	115
94	Integrated Analytical and Statistical Two-Dimensional Spectroscopy Strategy for Metabolite Identification: Application to Dietary Biomarkers. <i>Analytical Chemistry</i> , 2017 , 89, 3300-3309	7.8	34
93	Exploring the Links between Diet and Health in an Irish Cohort: A Lipidomic Approach. <i>Journal of Proteome Research</i> , 2017 , 16, 1280-1287	5.6	4
92	Insulin-associated weight gain in obese type 2 diabetes mellitus patients: What can be done?. <i>Diabetes, Obesity and Metabolism</i> , 2017 , 19, 1655-1668	6.7	55
91	Demonstration of the utility of biomarkers for dietary intake assessment; proline betaine as an example. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1700037	5.9	41
90	Dietary assessment of British police force employees: a description of diet record coding procedures and cross-sectional evaluation of dietary energy intake reporting (The Airwave Health Monitoring Study). <i>BMJ Open</i> , 2017 , 7, e012927	3	18
89	Cationic lipid-based nanoparticles mediate functional delivery of acetate to tumor cells in vivo leading to significant anticancer effects. <i>International Journal of Nanomedicine</i> , 2017 , 12, 6677-6685	7.3	9
88	Impact of liver fat on the differential partitioning of hepatic triacylglycerol into VLDL subclasses on high and low sugar diets. <i>Clinical Science</i> , 2017 , 131, 2561-2573	6.5	17

87	Estimation of Chicken Intake by Adults Using Metabolomics-Derived Markers. <i>Journal of Nutrition</i> , 2017 , 147, 1850-1857	4.1	20
86	Low glycaemic index diets for the prevention of cardiovascular disease. <i>The Cochrane Library</i> , 2017 , 7, CD004467	5.2	25
85	Determinants of postprandial plasma bile acid kinetics in human volunteers. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, G300-G312	5.1	25
84	The diet-derived short chain fatty acid propionate improves beta-cell function in humans and stimulates insulin secretion from human islets in vitro. <i>Diabetes, Obesity and Metabolism</i> , 2017 , 19, 257-265	6.7	110
83	Fermentable carbohydrate stimulates FFAR2-dependent colonic PYY cell expansion to increase satiety. <i>Molecular Metabolism</i> , 2017 , 6, 48-60	8.8	127
82	Information provision for antibacterial dosing in the obese patient: a sizeable absence?. <i>Journal of Antimicrobial Chemotherapy</i> , 2016 , 71, 3588-3592	5.1	9
81	Increased peptide YY blood concentrations, not decreased acyl-ghrelin, are associated with reduced hunger and food intake in healthy older women: Preliminary evidence. <i>Appetite</i> , 2016 , 105, 320-327	4.5	3
80	A Randomised Crossover Trial: The Effect of Inulin on Glucose Homeostasis in Subtypes of Prediabetes. <i>Annals of Nutrition and Metabolism</i> , 2016 , 68, 26-34	4.5	24
79	L-rhamnose as a source of colonic propionate inhibits insulin secretion but does not influence measures of appetite or food intake. <i>Appetite</i> , 2016 , 98, 142-9	4.5	5
78	Development of a New Branded UK Food Composition Database for an Online Dietary Assessment Tool. <i>Nutrients</i> , 2016 , 8,	6.7	33
77	Changes in the human plasma and urinary metabolome associated with acute dietary exposure to sucrose and the identification of potential biomarkers of sucrose intake. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 444-57	5.9	19
76	Validation of triple pass 24-hour dietary recall in Ugandan children by simultaneous weighed food assessment. <i>BMC Nutrition</i> , 2016 , 2,	2.5	12
75	Effect of energy restriction and physical exercise intervention on phenotypic flexibility as examined by transcriptomics analyses of mRNA from adipose tissue and whole body magnetic resonance imaging. <i>Physiological Reports</i> , 2016 , 4, e13019	2.6	17
74	Mycoprotein reduces energy intake and postprandial insulin release without altering glucagon-like peptide-1 and peptide tyrosine-tyrosine concentrations in healthy overweight and obese adults: a randomised-controlled trial. <i>British Journal of Nutrition</i> , 2016 , 116, 360-74	3.6	35
73	A pilot study to determine whether using a lightweight, wearable micro-camera improves dietary assessment accuracy and offers information on macronutrients and eating rate. <i>British Journal of Nutrition</i> , 2016 , 115, 160-7	3.6	34
72	Increased colonic propionate reduces anticipatory reward responses in the human striatum to high-energy foods. <i>American Journal of Clinical Nutrition</i> , 2016 , 104, 5-14	7	103
71	An Analytical Pipeline for Quantitative Characterization of Dietary Intake: Application To Assess Grape Intake. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 2423-31	5.7	38
70	Resection of the large bowel suppresses hunger and food intake and modulates gastrointestinal fermentation. <i>Obesity</i> , 2016 , 24, 1723-30	8	2

69	Adherence to NICE guidelines on diabetes prevention in the UK: Effect on patient knowledge and perceived risk. <i>Primary Care Diabetes</i> , 2015 , 9, 407-11	2.4	15
68	Maximal fat oxidation during exercise is positively associated with 24-hour fat oxidation and insulin sensitivity in young, healthy men. <i>Journal of Applied Physiology</i> , 2015 , 118, 1415-22	3.7	46
67	Manipulation of starch bioaccessibility in wheat endosperm to regulate starch digestion, postprandial glycemia, insulinemia, and gut hormone responses: a randomized controlled trial in healthy ileostomy participants. <i>American Journal of Clinical Nutrition</i> , 2015 , 102, 791-800	7	100
66	Effects of targeted delivery of propionate to the human colon on appetite regulation, body weight maintenance and adiposity in overweight adults. <i>Gut</i> , 2015 , 64, 1744-54	19.2	654
65	Total, insoluble and soluble dietary fibre intake in relation to blood pressure: the INTERMAP Study. <i>British Journal of Nutrition</i> , 2015 , 114, 1480-6	3.6	36
64	A randomized controlled trial: the effect of inulin on weight management and ectopic fat in subjects with prediabetes. <i>Nutrition and Metabolism</i> , 2015 , 12, 36	4.6	34
63	Lack of weight recording in patients being administered narrow therapeutic index antibiotics: a prospective cross-sectional study. <i>BMJ Open</i> , 2015 , 5, e006092	3	14
62	Development of a UK Online 24-h Dietary Assessment Tool: myfood24. <i>Nutrients</i> , 2015 , 7, 4016-32	6.7	87
61	Prebiotics Modulate the Effects of Antibiotics on Gut Microbial Diversity and Functioning in Vitro. <i>Nutrients</i> , 2015 , 7, 4480-97	6.7	35
60	Control of appetite and energy intake by SCFA: what are the potential underlying mechanisms?. <i>Proceedings of the Nutrition Society</i> , 2015 , 74, 328-36	2.9	154
59	Plant-rich mixed meals based on Palaeolithic diet principles have a dramatic impact on incretin, peptide YY and satiety response, but show little effect on glucose and insulin homeostasis: an acute-effects randomised study. <i>British Journal of Nutrition</i> , 2015 , 113, 574-84	3.6	76
58	Antimicrobial therapy in obesity: a multicentre cross-sectional study. <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 2906-12	5.1	10
57	Gender Differences in Bile Acid Kinetics After Dietary Challenges. <i>FASEB Journal</i> , 2015 , 29, 743.5	0.9	1
56	Effects of Elevating Colonic Propionate on Liver Fat Content in Adults with Non-Alcoholic Fatty Liver Disease. <i>FASEB Journal</i> , 2015 , 29, 385.2	0.9	1
55	Increased Colonic Propionate Reduces Anticipatory Food Reward Responses in the Human Striatum. <i>FASEB Journal</i> , 2015 , 29, 385.8	0.9	
54	The short-chain fatty acid acetate reduces appetite via a central homeostatic mechanism. <i>Nature Communications</i> , 2014 , 5, 3611	17.4	781
53	The impact of oligofructose on stimulation of gut hormones, appetite regulation and adiposity. <i>Obesity</i> , 2014 , 22, 1430-8	8	60
52	Predicting free-living energy expenditure using a miniaturized ear-worn sensor: an evaluation against doubly labeled water. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 566-75	5	19

51	Discovery of biomarkers for glycaemic deterioration before and after the onset of type 2 diabetes: rationale and design of the epidemiological studies within the IMI DIRECT Consortium. <i>Diabetologia</i> , 2014 , 57, 1132-42	10.3	39
50	Corrections to Predicting Free-Living Energy Expenditure Using a Miniaturized Ear-Worn Sensor: An Evaluation Against Doubly Labeled Water[Feb 14 566-575]. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 2818-2818	5	1
49	Impacts of plant-based foods in ancestral hominin diets on the metabolism and function of gut microbiota in vitro. <i>MBio</i> , 2014 , 5, e00853-14	7.8	21
48	Ghrelin mimics fasting to enhance human hedonic, orbitofrontal cortex, and hippocampal responses to food. <i>American Journal of Clinical Nutrition</i> , 2014 , 99, 1319-30	7	86
47	Obese patients after gastric bypass surgery have lower brain-hedonic responses to food than after gastric banding. <i>Gut</i> , 2014 , 63, 891-902	19.2	198
46	The role of metabonomics as a tool for augmenting nutritional information in epidemiological studies. <i>Electrophoresis</i> , 2013 , 34, 2776-86	3.6	15
45	Breeding low-glycemic index barley for functional food. <i>Field Crops Research</i> , 2013 , 154, 31-39	5.5	9
44	Gut hormone release and appetite regulation in healthy non-obese participants following oligofructose intake. A dose-escalation study. <i>Appetite</i> , 2013 , 66, 44-53	4.5	52
43	Weight gain and insulin sensitivity: a role for the glycaemic index and dietary fibre?. <i>British Journal of Nutrition</i> , 2013 , 109, 1539-41	3.6	5
42	Fermentable carbohydrate alters hypothalamic neuronal activity and protects against the obesogenic environment. <i>Obesity</i> , 2012 , 20, 1016-23	8	56
41	An Intelligent Food-Intake Monitoring System Using Wearable Sensors 2012 ,		64
40	Differential effects of two fermentable carbohydrates on central appetite regulation and body composition. <i>PLoS ONE</i> , 2012 , 7, e43263	3.7	56
39	Variation in the FFAR1 gene modifies BMI, body composition and beta-cell function in overweight subjects: an exploratory analysis. <i>PLoS ONE</i> , 2011 , 6, e19146	3.7	7
38	Interaction of PPARG Pro12Ala with dietary fat influences plasma lipids in subjects at cardiometabolic risk. <i>Journal of Lipid Research</i> , 2011 , 52, 2298-2303	6.3	18
37	Free fatty acid receptor 2 and nutrient sensing: a proposed role for fibre, fermentable carbohydrates and short-chain fatty acids in appetite regulation. <i>Nutrition Research Reviews</i> , 2010 , 23, 135-45	7	168
36	Effect of changing the amount and type of fat and carbohydrate on insulin sensitivity and cardiovascular risk: the RISCK (Reading, Imperial, Surrey, Cambridge, and Kings) trial. <i>American Journal of Clinical Nutrition</i> , 2010 , 92, 748-58	7	139
35	The effect of dietary glycemic index on weight maintenance in overweight subjects: a pilot study. <i>Obesity</i> , 2009 , 17, 396-401	8	16
34	Fasting biases brain reward systems towards high-calorie foods. <i>European Journal of Neuroscience</i> , 2009 , 30, 1625-35	3.5	246

33	Engaging patients, clinicians and health funders in weight management: the Counterweight Programme. <i>Family Practice</i> , 2008 , 25 Suppl 1, i79-86	1.9	15
32	Wholegrain cereals for coronary heart disease. <i>Cochrane Database of Systematic Reviews</i> , 2007 , CD005051		65
31	Impact of resistant starch on body fat patterning and central appetite regulation. <i>PLoS ONE</i> , 2007 , 2, e1309	3.7	96
30	Obesity impacts on general practice appointments. <i>Obesity</i> , 2005 , 13, 1442-9		33
29	Diabetes and Renal Replacement Therapy 2004 , 231-247		
28	Nutritional Management of the Elderly Person with Diabetes 2004 , 147-168		
27	Inpatient Nutritional Support of Sick Patients with Diabetes 2004 , 215-229		
26	Obesity and Diabetes 2004 , 111-132		
25	Nutritional Management of Cardiac Risk Factors in Type 2 Diabetes 2004 , 133-145		
24	Nutritional Management of Diabetic Renal Transplant Recipients 2004 , 249-256		
23	Diabetes and Alcohol 2004 , 201-214		
22	Counselling in Diabetes 2004 , 33-44		
21	The Dietary Management of Diabetic Pregnancies 2004 , 91-109		
20	The Role of Carbohydrate in the Management of Diabetes 2004 , 169-187		
19	Nutritional Recommendations in Diabetes Management 2004 , 1-17		0
18	Diabetes and Physical Activity 2004 , 19-31		
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