

Gary S Frost

List of Publications by Year in descending order

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Version: 2024-02-01

183
papers

11,763
citations

57681

46
h-index

35168

102
g-index

193
all docs

193
docs citations

193
times ranked

14927
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of Food Intake in Obese Subjects by Peptide YY3-36. <i>New England Journal of Medicine</i> , 2003, 349, 941-948.	13.9	1,423
2	The short-chain fatty acid acetate reduces appetite via a central homeostatic mechanism. <i>Nature Communications</i> , 2014, 5, 3611.	5.8	1,129
3	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, 1744-1754.	6.1	950
4	Role of Gut Microbiota-Generated Short-Chain Fatty Acids in Metabolic and Cardiovascular Health. <i>Current Nutrition Reports</i> , 2018, 7, 198-206.	2.1	425
5	Oxyntomodulin Suppresses Appetite and Reduces Food Intake in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 4696-4701.	1.8	406
6	Magnetic resonance imaging of total body fat. <i>Journal of Applied Physiology</i> , 1998, 85, 1778-1785.	1.2	284
7	Fasting biases brain reward systems towards high-calorie foods. <i>European Journal of Neuroscience</i> , 2009, 30, 1625-1635.	1.2	284
8	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.	6.1	235
9	Obese patients after gastric bypass surgery have lower brain-hedonic responses to food than after gastric banding. <i>Gut</i> , 2014, 63, 891-902.	6.1	234
10	Longitudinal Multi-omics Reveals Subset-Specific Mechanisms Underlying Irritable Bowel Syndrome. <i>Cell</i> , 2020, 182, 1460-1473.e17.	13.5	217
11	Control of appetite and energy intake by SCFA: what are the potential underlying mechanisms?. <i>Proceedings of the Nutrition Society</i> , 2015, 74, 328-336.	0.4	216
12	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, 135-145.	2.1	200
13	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.	5.5	194
14	Short-chain fatty acids as potential regulators of skeletal muscle metabolism and function. <i>Nature Metabolism</i> , 2020, 2, 840-848.	5.1	194
15	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.	2.2	186
16	Fermentable carbohydrate stimulates FFAR2-dependent colonic PYY cell expansion to increase satiety. <i>Molecular Metabolism</i> , 2017, 6, 48-60.	3.0	179
17	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, 748-758.	2.2	172
18	A metabolomic study of biomarkers of meat and fish intake. <i>American Journal of Clinical Nutrition</i> , 2017, 105, 600-608.	2.2	156

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19	Visceral Adipose Tissue and Metabolic Complications of Obesity Are Reduced in Prader-Willi Syndrome Female Adults: Evidence for Novel Influences on Body Fat Distribution. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 4330-4338.	1.8	149
20	Preliminary report The effect of low-glycemic carbohydrate on insulin and glucose response in vivo and in vitro in patients with coronary heart disease. <i>Metabolism: Clinical and Experimental</i> , 1996, 45, 669-672.	1.5	145
21	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.	2.2	145
22	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.	2.2	134
23	Development of a UK Online 24-h Dietary Assessment Tool: myfood24. <i>Nutrients</i> , 2015, 7, 4016-4032.	1.7	130
24	Ghrelin mimics fasting to enhance human hedonic, orbitofrontal cortex, and hippocampal responses to food. <i>American Journal of Clinical Nutrition</i> , 2014, 99, 1319-1330.	2.2	116
25	Impact of Resistant Starch on Body Fat Patterning and Central Appetite Regulation. <i>PLoS ONE</i> , 2007, 2, e1309.	1.1	111
26	Validation of the Oxford WebQ Online 24-Hour Dietary Questionnaire Using Biomarkers. <i>American Journal of Epidemiology</i> , 2019, 188, 1858-1867.	1.6	109
27	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, 574-584.	1.2	86
28	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.	4.3	84
29	An Intelligent Food-Intake Monitoring System Using Wearable Sensors. , 2012, , .		83
30	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.	2.2	83
31	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.	2.3	82
32	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.	2.2	80
33	Wholegrain cereals for coronary heart disease. , 2007, , CD005051.		78
34	The impact of oligofructose on stimulation of gut hormones, appetite regulation and adiposity. <i>Obesity</i> , 2014, 22, 1430-1438.	1.5	73
35	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.	2.2	73
36	Fermentable Carbohydrate Alters Hypothalamic Neuronal Activity and Protects Against the Obesogenic Environment. <i>Obesity</i> , 2012, 20, 1016-1023.	1.5	72

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37	Identifying unknown metabolites using NMR-based metabolic profiling techniques. <i>Nature Protocols</i> , 2020, 15, 2538-2567.	5.5	69
38	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, 1415-1422.	1.2	67
39	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.	2.2	67
40	Differential Effects of Two Fermentable Carbohydrates on Central Appetite Regulation and Body Composition. <i>PLoS ONE</i> , 2012, 7, e43263.	1.1	66
41	Immediate Transfusion in African Children with Uncomplicated Severe Anemia. <i>New England Journal of Medicine</i> , 2019, 381, 407-419.	13.9	64
42	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.	1.8	61
43	Total, insoluble and soluble dietary fibre intake in relation to blood pressure: the INTERMAP Study. <i>British Journal of Nutrition</i> , 2015, 114, 1480-1486.	1.2	61
44	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, 360-374.	1.2	58
45	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.	1.5	58
46	Prebiotics Modulate the Effects of Antibiotics on Gut Microbial Diversity and Functioning in Vitro. <i>Nutrients</i> , 2015, 7, 4480-4497.	1.7	55
47	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.	0.2	54
48	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.	1.3	53
49	Development of a New Branded UK Food Composition Database for an Online Dietary Assessment Tool. <i>Nutrients</i> , 2016, 8, 480.	1.7	51
50	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, 160-167.	1.2	49
51	Transfusion Volume for Children with Severe Anemia in Africa. <i>New England Journal of Medicine</i> , 2019, 381, 420-431.	13.9	49
52	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, 1132-1142.	2.9	48
53	An Analytical Pipeline for Quantitative Characterization of Dietary Intake: Application To Assess Grape Intake. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2423-2431.	2.4	48
54	Modulation of the Gut Microbiota by Olive Oil Phenolic Compounds: Implications for Lipid Metabolism, Immune System, and Obesity. <i>Nutrients</i> , 2020, 12, 2200.	1.7	48

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55	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.	3.9	47
56	Integrated Analytical and Statistical Two-Dimensional Spectroscopy Strategy for Metabolite Identification: Application to Dietary Biomarkers. <i>Analytical Chemistry</i> , 2017, 89, 3300-3309.	3.2	46
57	Nutriomeâ€™s metabolome relationships provide insights into dietary intake and metabolism. <i>Nature Food</i> , 2020, 1, 426-436.	6.2	41
58	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.	3.3	39
59	Determinants of postprandial plasma bile acid kinetics in human volunteers. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, G300-G312.	1.6	38
60	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.	6.2	37
61	Obesity Impacts on General Practice Appointments. <i>Obesity</i> , 2005, 13, 1442-1449.	4.0	36
62	Exploration of muscle loss and metabolic state during prolonged critical illness: Implications for intervention?. <i>PLoS ONE</i> , 2019, 14, e0224565.	1.1	36
63	Healthy Foods and Healthy Diets. How Government Policies Can Steer Food Reformulation. <i>Nutrients</i> , 2020, 12, 1992.	1.7	35
64	Low glycaemic index diets for the prevention of cardiovascular disease. <i>The Cochrane Library</i> , 2021, 2021, CD004467.	1.5	34
65	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.	3.1	34
66	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, 12, 2134-2144.	2.9	34
67	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, 1524.	1.7	32
68	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.	1.0	31
69	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.	1.8	31
70	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.	1.3	31
71	Regulation of energy expenditure and substrate oxidation by short-chain fatty acids. <i>Journal of Endocrinology</i> , 2019, 242, R1-R8.	1.2	31
72	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, 444-457.	1.5	28

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73	Estimation of Chicken Intake by Adults Using Metabolomics-Derived Markers. <i>Journal of Nutrition</i> , 2017, 147, 1850-1857.	1.3	28
74	Impacts of Plant-Based Foods in Ancestral Hominin Diets on the Metabolism and Function of Gut Microbiota <i>In Vitro</i> . <i>MBio</i> , 2014, 5, e00853-14.	1.8	27
75	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) <i>Tj ETQq1 1 0.78484 rgBT46verloc</i>		
76	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.	1.2	25
77	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, 861.	1.7	25
78	Enhanced triacylglycerol catabolism by carboxylesterase 1 promotes aggressive colorectal carcinoma. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	25
79	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.	1.8	24
80	Development of a Rapid and Efficient Magnetic Resonance Imaging Technique for Analysis of Body Fat Distribution. , 1996, 9, 156-164.		23
81	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, 566-575.	2.5	23
82	Effects of mycoprotein on glycaemic control and energy intake in humans: a systematic review. <i>British Journal of Nutrition</i> , 2020, 123, 1321-1332.	1.2	23
83	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.	2.2	23
84	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.	1.8	23
85	The Effect of Dietary Glycemic Index on Weight Maintenance in Overweight Subjects: A Pilot Study. <i>Obesity</i> , 2009, 17, 396-401.	1.5	22
86	Adherence to NICE guidelines on diabetes prevention in the UK: Effect on patient knowledge and perceived risk. <i>Primary Care Diabetes</i> , 2015, 9, 407-411.	0.9	22
87	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.	2.9	22
88	The Relationship between Fish Intake and Urinary Trimethylamine N-oxide. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1900799.	1.5	22
89	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.	2.2	22
90	Validation of triple pass 24-hour dietary recall in Ugandan children by simultaneous weighed food assessment. <i>BMC Nutrition</i> , 2016, 2, .	0.6	21

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91	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.	0.7	21
92	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, 1839.	1.7	21
93	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.	2.9	21
94	Engaging patients, clinicians and health funders in weight management: the Counterweight Programme. <i>Family Practice</i> , 2008, 25, i79-i86.	0.8	20
95	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, e001012.	1.2	20
96	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.	2.0	19
97	Carbohydrate and human health: is it all about quality?. <i>Lancet, The</i> , 2019, 393, 384-386.	6.3	19
98	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.	1.9	19
99	Breeding low-glycemic index barley for functional food. <i>Field Crops Research</i> , 2013, 154, 31-39.	2.3	17
100	Lack of weight recording in patients being administered narrow therapeutic index antibiotics: a prospective cross-sectional study. <i>BMJ Open</i> , 2015, 5, e006092-e006092.	0.8	17
101	Short Chain Fatty Acids Enhance Expression and Activity of the Umami Taste Receptor in Enteroendocrine Cells via a Gl <i>u</i> Pathway. <i>Frontiers in Nutrition</i> , 2020, 7, 568991.	1.6	17
102	Long Term Exposure to a Grape Seed Proanthocyanidin Extract Enhances L <i>u</i> Cell Differentiation in Intestinal Organoids. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e2000303.	1.5	17
103	The role of metabonomics as a tool for augmenting nutritional information in epidemiological studies. <i>Electrophoresis</i> , 2013, 34, 2776-2786.	1.3	16
104	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, Volume 12, 6677-6685.	3.3	16
105	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.	3.1	16
106	Processes Underlying Glycemic Deterioration in Type 2 Diabetes: An IMI DIRECT Study. <i>Diabetes Care</i> , 2021, 44, 511-518.	4.3	16
107	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.	1.2	15
108	The effect of L-rhamnose on intestinal transit time, short chain fatty acids and appetite regulation: a pilot human study using combined ¹³ CO ₂ /H ₂ breath tests. <i>Journal of Breath Research</i> , 2018, 12, 046006.	1.5	15

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109	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.	0.1	15
110	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.	0.9	15
111	Chemical biology of noncanonical G protein-coupled receptor signaling: Toward advanced therapeutics. <i>Current Opinion in Chemical Biology</i> , 2020, 56, 98-110.	2.8	15
112	The effects of SCFAs on glycemic control in humans: a systematic review and meta-analysis. <i>American Journal of Clinical Nutrition</i> , 2022, 116, 335-361.	2.2	15
113	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.	4.3	14
114	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.	3.3	14
115	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> , 2022, 127, 1685-1694.	1.2	13
116	Information provision for antibacterial dosing in the obese patient: a sizeable absence?. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 3588-3592.	1.3	12
117	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.	2.9	12
118	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, 142-149.	1.8	11
119	Investigating the Role of Diet and Exercise in Gut Microbe-Host Cometabolism. <i>MSystems</i> , 2020, 5, .	1.7	11
120	Minor changes in fibre intake in the UK population between 2008/2009 and 2016/2017. <i>European Journal of Clinical Nutrition</i> , 2022, 76, 322-327.	1.3	11
121	Antimicrobial therapy in obesity: a multicentre cross-sectional study. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 2906-2912.	1.3	10
122	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.	1.5	10
123	Measuring phenotypic flexibility by transcriptome time-course analyses during challenge tests before and after energy restriction. <i>FASEB Journal</i> , 2019, 33, 10280-10290.	0.2	9
124	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.	1.2	9
125	Food environment and diabetes mellitus in South Asia: A geospatial analysis of health outcome data. <i>PLoS Medicine</i> , 2022, 19, e1003970.	3.9	9
126	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.	1.1	8

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127	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.	1.3	8
128	A Novel Approach to Dining Bowl Reconstruction for Image-Based Food Volume Estimation. <i>Sensors</i> , 2022, 22, 1493.	2.1	8
129	Food environments and obesity: A geospatial analysis of the South Asia Biobank, income and sex inequalities. <i>SSM - Population Health</i> , 2022, 17, 101055.	1.3	8
130	Exploring the Links between Diet and Health in an Irish Cohort: A Lipidomic Approach. <i>Journal of Proteome Research</i> , 2017, 16, 1280-1287.	1.8	7
131	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, 2000517.	1.5	7
132	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.	0.9	7
133	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.	2.9	7
134	Weight gain and insulin sensitivity: a role for the glycaemic index and dietary fibre?. <i>British Journal of Nutrition</i> , 2013, 109, 1539-1541.	1.2	6
135	Identifying crop variants with high resistant starch content to maintain healthy glucose homeostasis. <i>Nutrition Bulletin</i> , 2016, 41, 372-377.	0.8	6
136	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.	1.8	6
137	UK Nutrition Research Partnership (NRP) workshop: Forum on advancing dietary intake assessment. <i>Nutrition Bulletin</i> , 2021, 46, 228-237.	0.8	6
138	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.	1.0	5
139	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.	2.0	5
140	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>Frontiers in Nutrition</i> , 2019, 8, 258.	0.8	5
141	Modifying Intestinal Integrity and MicroBiome in Severe Malnutrition with Legume-Based Feeds (MIMBLE 2.0): protocol for a phase II refined feed and intervention trial. <i>Wellcome Open Research</i> , 2018, 3, 95.	0.9	4
142	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.	0.5	4
143	Evidence-Based Tools for Dietary Assessments in Nutrition Epidemiology Studies for Dementia Prevention. <i>Journal of Prevention of Alzheimer's Disease</i> , 2022, 9, 1-5.	1.5	4
144	A predictive algorithm for identifying children with sickle cell anemia among children admitted to hospital with severe anemia in Africa. <i>American Journal of Hematology</i> , 2022, 97, 527-536.	2.0	4

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