Eileen R Gibney

List of Publications by Year
in descending order

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125 papers	4,878 citations	81900 39 h-index	123424 61 g-index
130 all docs	130 docs citations	130 times ranked	7306 citing authors

#	Article	IF	Citations
1	Effect of personalized nutrition on health-related behaviour change: evidence from the Food4me European randomized controlled trial. International Journal of Epidemiology, 2017, 46, dyw186.	1.9	219
2	Fruit, vegetables, and mushrooms for the preparation of extracts with Î±-amylase and Î±-glucosidase inhibition properties: A review. Food Chemistry, 2021, 338, 128119.	8.2	186
3	Ultra-processed foods in human health: a critical appraisal. American Journal of Clinical Nutrition, 2017, 106, 717-724.	4.7	179
4	Addressing the interâ€individual variation in response to consumption of plant food bioactives: Towards a better understanding of their role in healthy aging and cardiometabolic risk reduction. Molecular Nutrition and Food Research, 2017, 61, 1600557.	3.3	179
5	Online Dietary Intake Estimation: Reproducibility and Validity of the Food4Me Food Frequency Questionnaire Against a 4-Day Weighed Food Record. Journal of Medical Internet Research, 2014, 16, e190.	4.3	142
6	A review of the validity of malnutrition screening tools used in older adults in community and healthcare settings â€“ A MaNuEL study. Clinical Nutrition ESPEN, 2018, 24, 1-13.	1.2	136
7	Design and baseline characteristics of the Food4Me study: a web-based randomised controlled trial of personalised nutrition in seven European countries. Genes and Nutrition, 2015, 10, 450.	2.5	134
8	Enhancing cognitive functioning in the elderly: multicomponent vs resistance training. Clinical Interventions in Aging, 2013, 8, 19.	2.9	125
9	Online Dietary Intake Estimation: The Food4Me Food Frequency Questionnaire. Journal of Medical Internet Research, 2014, 16, e150.	4.3	114
10	Impact of Flavonols on Cardiometabolic Biomarkers: A Metaâ€Analysis of Randomized Controlled Human Trials to Explore the Role of Interâ€Individual Variability. Nutrients, 2017, 9, 117.	4.1	111
11	Meta-Analysis of the Effects of Foods and Derived Products Containing Ellagitannins and Anthocyanins on Cardiometabolic Biomarkers: Analysis of Factors Influencing Variability of the Individual Responses. International Journal of Molecular Sciences, 2018, 19, 694.	4.1	108
12	Proposed guidelines to evaluate scientific validity and evidence for genotype-based dietary advice. Genes and Nutrition, 2017, 12, 35.	2.5	95
13	Pregnancy Exercise and Nutrition With Smartphone Application Support. Obstetrics and Gynecology, 2018, 131, 818-826.	2.4	89
14	A review of the design and validation of web- and computer-based 24-h dietary recall tools. Nutrition Research Reviews, 2016, 29, 268-280.	4.1	85
15	Effect of an Internet-based, personalized nutrition randomized trial on dietary changes associated with the Mediterranean diet: the Food4Me Study. American Journal of Clinical Nutrition, 2016, 104, 288-297.	4.7	77
16	Identification of Differential Responses to an Oral Glucose Tolerance Test in Healthy Adults. PLoS ONE, 2013, 8, e72890.	2.5	72
17	Influence of short-term dietary weight loss on cortisol secretion and metabolism in obese men. European Journal of Endocrinology, 2004, 150, 185-194.	3.7	70
18	Inhibition of Proinflammatory Biomarkers in THP1 Macrophages by Polyphenols Derived From Chamomile, Meadowsweet and Willow bark. Phytotherapy Research, 2013, 27, 588-594.	5.8	70

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19	The relationship between BMI and metabolomic profiles: a focus on amino acids. Proceedings of the Nutrition Society, 2012, 71, 634-638.	1.0	68
20	Determinants of Incident Malnutrition in Communityâ€Dwelling Older Adults: A MaNuEL Multicohort Metaâ€Analysis. Journal of the American Geriatrics Society, 2018, 66, 2335-2343.	2.6	63
21	Association between Diet-Quality Scores, Adiposity, Total Cholesterol and Markers of Nutritional Status in European Adults: Findings from the Food4Me Study. Nutrients, 2018, 10, 49.	4.1	61
22	Plasma concentrations of alpha-MSH, AgRP and leptin in lean and obese men and their relationship to differing states of energy balance perturbation. Clinical Endocrinology, 2004, 61, 31-39.	2.4	60
23	The association between childcare and risk of childhood overweight and obesity in children aged 5Âyears and under: a systematic review. European Journal of Pediatrics, 2016, 175, 1277-1294.	2.7	59
24	Dairy matrix effects: response to consumption of dairy fat differs when eaten within the cheese matrixâ€"a randomized controlled trial. American Journal of Clinical Nutrition, 2018, 108, 667-674.	4.7	58
25	Relationship between the lipidome, inflammatory markers and insulin resistance. Molecular BioSystems, 2014, 10, 1586-1595.	2.9	57
26	High-Density Lipoprotein Proteomic Composition, and not Efflux Capacity, Reflects Differential Modulation of Reverse Cholesterol Transport by Saturated and Monounsaturated Fat Diets. Circulation, 2016, 133, 1838-1850.	1.6	53
27	A Systematic Review and Meta-Analysis of the Effects of Flavanol-Containing Tea, Cocoa and Apple Products on Body Composition and Blood Lipids: Exploring the Factors Responsible for Variability in Their Efficacy. Nutrients, 2017, 9, 746.	4.1	52
28	The Development, Validation, and User Evaluation of Foodbook24: A Web-Based Dietary Assessment Tool Developed for the Irish Adult Population. Journal of Medical Internet Research, 2017, 19, e158.	4.3	52
29	Personalised nutrition: the role of new dietary assessment methods. Proceedings of the Nutrition Society, 2016, 75, 96-105.	1.0	51
30	Can genetic-based advice help you lose weight? Findings from the Food4Me European randomized controlled trial1â€"3. American Journal of Clinical Nutrition, 2017, 105, 1204-1213.	4.7	50
31	Maternal low glycaemic index diet, fat intake and postprandial glucose influences neonatal adiposity â€" secondary analysis from the ROLO study. Nutrition Journal, 2014, 13, 78.	3.4	49
32	Genetic and environmental influences on liking and reported intakes of vegetables in Irish children. Food Quality and Preference, 2014, 32, 253-263.	4.6	49
33	Bitter Taste Perception and Dietary Intake Patterns in Irish Children. Journal of Nutrigenetics and Nutrigenomics, 2013, 6, 43-58.	1.3	47
34	Maternal Nutrition and Glycaemic Index during Pregnancy Impacts on Offspring Adiposity at 6 Months of Ageâ€"Analysis from the ROLO Randomised Controlled Trial. Nutrients, 2016, 8, 7.	4.1	47
35	Use of metabotyping for the delivery of personalised nutrition. Molecular Nutrition and Food Research, 2015, 59, 377-385.	3.3	44
36	Do high blood folate concentrations exacerbate metabolic abnormalities in people with low vitamin B-12 status?. American Journal of Clinical Nutrition, 2011, 94, 495-500.	4.7	43

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37	A qualitative study of psychological, social and behavioral barriers to appropriate food portion size control. International Journal of Behavioral Nutrition and Physical Activity, 2013, 10, 92.	4.6	43
38	How reliable is internet-based self-reported identity, socio-demographic and obesity measures in European adults?. Genes and Nutrition, 2015, 10, 28.	2.5	42
39	Application of dried blood spots to determine vitamin D status in a large nutritional study with unsupervised sampling: the Food4Me project. British Journal of Nutrition, 2016, 115, 202-211.	2.3	42
40	The effect of the apolipoprotein E genotype on response to personalized dietary advice intervention: findings from the Food4Me randomized controlled trial. American Journal of Clinical Nutrition, 2016, 104, 827-836.	4.7	41
41	Factors influencing the cardiometabolic response to (poly)phenols and phytosterols: a review of the COST Action POSITIVe activities. European Journal of Nutrition, 2019, 58, 37-47.	3.9	39
42	Maternal Diet and Weight at 3 Months Postpartum Following a Pregnancy Intervention with a Low Glycaemic Index Diet: Results from the ROLO Randomised Control Trial. Nutrients, 2014, 6, 2946-2955.	4.1	38
43	Tryptophan Catabolism and Vitamin B-6 Status Are Affected by Gender and Lifestyle Factors in Healthy Young Adults. Journal of Nutrition, 2015, 145, 701-707.	2.9	37
44	A Dietary Feedback System for the Delivery of Consistent Personalized Dietary Advice in the Web-Based Multicenter Food4Me Study. Journal of Medical Internet Research, 2016, 18, e150.	4.3	37
45	Why interindividual variation in response to consumption of plant food bioactives matters for future personalised nutrition. Proceedings of the Nutrition Society, 2020, 79, 225-235.	1.0	36
46	Profile of European adults interested in internet-based personalised nutrition: the Food4Me study. European Journal of Nutrition, 2016, 55, 759-769.	3.9	34
47	Effects of a Web-Based Personalized Intervention on Physical Activity in European Adults: A Randomized Controlled Trial. Journal of Medical Internet Research, 2015, 17, e231.	4.3	34
48	Within-person variation in the postprandial lipemic response of healthy adults. American Journal of Clinical Nutrition, 2013, 97, 261-267.	4.7	33
49	A generic coding approach for the examination of meal patterns. American Journal of Clinical Nutrition, 2015, 102, 316-323.	4.7	32
50	Development and application of a scoring system to rate malnutrition screening tools used in older adults in community and healthcare settings â€“ A MaNuEL study. Clinical Nutrition, 2019, 38, 1807-1819.	5.0	31
51	Comparison of Environmental Impact and Nutritional Quality among a European Sample Population â€“ findings from the Food4Me study. Scientific Reports, 2018, 8, 2330.	3.3	30
52	Associations of vitamin D status with dietary intakes and physical activity levels among adults from seven European countries: the Food4Me study. European Journal of Nutrition, 2018, 57, 1357-1368.	3.9	29
53	General practitionersâ€™ views on malnutrition management and oral nutritional supplementation prescription in the community: A qualitative study. Clinical Nutrition ESPEN, 2020, 36, 116-127.	1.2	29
54	Metabotyping for the development of tailored dietary advice solutions in a European population: the Food4Me study. British Journal of Nutrition, 2017, 118, 561-569.	2.3	28

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55	Effect of vitamin E intake from food and supplement sources on plasma Î±- and Î³-tocopherol concentrations in a healthy Irish adult population. British Journal of Nutrition, 2014, 112, 1575-1585.	2.3	27
56	Exploring the association of dairy product intake with the fatty acids C15:0 and C17:0 measured from dried blood spots in a multipopulation cohort: Findings from the Food4Me study. Molecular Nutrition and Food Research, 2016, 60, 834-845.	3.3	27
57	An evaluation of portion size estimation aids: precision, ease of use and likelihood of future use. Public Health Nutrition, 2016, 19, 2377-2387.	2.2	27
58	Regularity of Breakfast Consumption and Diet: Insights from National Adult Nutrition Survey. Nutrients, 2018, 10, 1578.	4.1	27
59	Personalised nutrition advice reduces intake of discretionary foods and beverages: findings from the Food4Me randomised controlled trial. International Journal of Behavioral Nutrition and Physical Activity, 2021, 18, 70.	4.6	27
60	Diet, genes and disease: implications for nutrition policy. Proceedings of the Nutrition Society, 2004, 63, 491-500.	1.0	26
61	An overview of the contribution of dairy and cheese intakes to nutrient intakes in the Irish diet: results from the National Adult Nutrition Survey. British Journal of Nutrition, 2016, 115, 709-717.	2.3	26
62	Mediterranean Diet Adherence and Genetic Background Roles within a Web-Based Nutritional Intervention: The Food4Me Study. Nutrients, 2017, 9, 1107.	4.1	25
63	Impact of Foods and Dietary Supplements Containing Hydroxycinnamic Acids on Cardiometabolic Biomarkers: A Systematic Review to Explore Inter-Individual Variability. Nutrients, 2019, 11, 1805.	4.1	25
64	Changes in Physical Activity Following a Genetic-Based Internet-Delivered Personalized Intervention: Randomized Controlled Trial (Food4Me). Journal of Medical Internet Research, 2016, 18, e30.	4.3	25
65	Energy expenditure in disease: time to revisit?. Proceedings of the Nutrition Society, 2000, 59, 199-207.	1.0	24
66	Can metabotyping help deliver the promise of personalised nutrition?. Proceedings of the Nutrition Society, 2016, 75, 106-114.	1.0	24
67	Reproducibility of the Online Food4Me Food-Frequency Questionnaire for Estimating Dietary Intakes across Europe. Journal of Nutrition, 2016, 146, 1068-1075.	2.9	24
68	Are food-related perceptions associated with meal portion size decisions? A cross-sectional study. Appetite, 2016, 103, 377-385.	3.7	24
69	Suprathreshold measures of taste perception in children - Association with dietary quality and body weight. Appetite, 2017, 113, 116-123.	3.7	24
70	A Comparison of Dietary Patterns and Factors Influencing Food Choice among Ethnic Groups Living in One Locality: A Systematic Review. Nutrients, 2022, 14, 941.	4.1	24
71	Imposed rate and extent of weight loss in obese men and adaptive changes in resting and total energy expenditure. Metabolism: Clinical and Experimental, 2015, 64, 896-904.	3.4	23
72	Knowing your genes: does this impact behaviour change?. Proceedings of the Nutrition Society, 2017, 76, 182-191.	1.0	23

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73	Fat mass- and obesity-associated genotype, dietary intakes and anthropometric measures in European adults: the Food4Me study. British Journal of Nutrition, 2016, 115, 440-448.	2.3	22
74	The association between maternal nutrition and lifestyle during pregnancy and 2-year-old offspring adiposity: analysis from the ROLO study. Zeitschrift Fur Gesundheitswissenschaften, 2016, 24, 427-436.	1.6	22
75	Comparison of a Web-Based 24-h Dietary Recall Tool (Foodbook24) to an Interviewer-Led 24-h Dietary Recall. Nutrients, 2017, 9, 425.	4.1	22
76	Generic Meal Patterns Identified by Latent Class Analysis: Insights from NANS (National Adult) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	4.1	22
77	Modulation of the lipidomic profile due to a lipid challenge and fitness level: a postprandial study. Lipids in Health and Disease, 2015, 14, 65.	3.0	21
78	Analysis of Dietary Pattern Impact on Weight Status for Personalised Nutrition through On-Line Advice: The Food4Me Spanish Cohort. Nutrients, 2015, 7, 9523-9537.	4.1	21
79	Correlates of overall and central obesity in adults from seven European countries: findings from the Food4Me Study. European Journal of Clinical Nutrition, 2018, 72, 207-219.	2.9	20
80	Personalised nutrition â€“ phenotypic and genetic variation in response to dietary intervention. Proceedings of the Nutrition Society, 2020, 79, 236-245.	1.0	19
81	Frequent Nutritional Feedback, Personalized Advice, and Behavioral Changes: Findings from the European Food4Me Internet-Based RCT. American Journal of Preventive Medicine, 2019, 57, 209-219.	3.0	18
82	Secular trends in reported portion size of food and beverages consumed by Irish adults. British Journal of Nutrition, 2015, 113, 1148-1157.	2.3	17
83	Dairy Consumption and Metabolic Health. Nutrients, 2020, 12, 3040.	4.1	17
84	Meal Pattern Analysis in Nutritional Science: Recent Methods and Findings. Advances in Nutrition, 2021, 12, 1365-1378.	6.4	17
85	Executive function moderates the role of muscular fitness in determining functional mobility in older adults. Aging Clinical and Experimental Research, 2013, 25, 291-298.	2.9	16
86	Optimisation of a metabotype approach to deliver targeted dietary advice. Nutrition and Metabolism, 2020, 17, 82.	3.0	16
87	An investigation of community-dwelling older adults' opinions about their nutritional needs and risk of malnutrition; a scoping review. Clinical Nutrition, 2021, 40, 2936-2945.	5.0	16
88	An In Vivo Study Examining the Antiinflammatory Effects of Chamomile, Meadowsweet, and Willow Bark in a Novel Functional Beverage. Journal of Dietary Supplements, 2013, 10, 370-380.	2.6	15
89	Comparison of the effect of multicomponent and resistance training programs on metabolic health parameters in the elderly. Archives of Gerontology and Geriatrics, 2015, 60, 412-417.	3.0	15
90	Development and evaluation of a concise food list for use in a web-based 24-h dietary recall tool. Journal of Nutritional Science, 2017, 6, e46.	1.9	15

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91	Predictors of Incident Malnutrition in Older Irish Adults from the Irish Longitudinal Study on Ageing Cohortâ€"A MaNuEL study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 75, 249-256.	3.6	15
92	Ageing rate of older adults affects the factors associated with, and the determinants of malnutrition in the community: a systematic review and narrative synthesis. BMC Geriatrics, 2021, 21, 676.	2.7	15
93	Phenotypic factors influencing the variation in response of circulating cholesterol level to personalised dietary advice in the Food4Me study. British Journal of Nutrition, 2016, 116, 2011-2019.	2.3	14
94	Targeting the delivery of dietary plant bioactives to those who would benefit most: from science to practical applications. European Journal of Nutrition, 2019, 58, 65-73.	3.9	14
95	Characteristics of participants who benefit most from personalised nutrition: findings from the pan-European Food4Me randomised controlled trial. British Journal of Nutrition, 2020, 123, 1396-1405.	2.3	14
96	Withinâ€person reproducibility and sensitivity to dietary change of C15:0 and C17:0 levels in dried blood spots: Data from the European Food4Me Study. Molecular Nutrition and Food Research, 2017, 61, 1700142.	3.3	13
97	Healthcare professionalsâ€™ perceptions of malnutrition management and oral nutritional supplement prescribing in the community: A qualitative study. Clinical Nutrition ESPEN, 2021, 44, 415-423.	1.2	13
98	Systematic bioinformatic analysis of nutrigenomic data of flavanols in cell models of cardiometabolic disease. Food and Function, 2020, 11, 5040-5064.	4.6	13
99	The impact of MTHFR 677Câ€‰â†'â€‰T risk knowledge on changes in folate intake: findings from the Food4Me study. Genes and Nutrition, 2016, 11, 25.	2.5	12
100	Child Care Exposure Influences Childhood Adiposity at 2 Years: Analysis from the ROLO Study. Childhood Obesity, 2017, 13, 93-101.	1.5	12
101	Capturing health and eating status through a nutritional perception screening questionnaire (NPSQ9) in a randomised internet-based personalised nutrition intervention: the Food4Me study. International Journal of Behavioral Nutrition and Physical Activity, 2017, 14, 168.	4.6	12
102	Higher vegetable protein consumption, assessed by an isoenergetic macronutrient exchange model, is associated with a lower presence of overweight and obesity in the web-based Food4me European study. International Journal of Food Sciences and Nutrition, 2019, 70, 240-253.	2.8	11
103	Clustering of adherence to personalised dietary recommendations and changes in healthy eating index within the Food4Me study. Public Health Nutrition, 2016, 19, 3296-3305.	2.2	10
104	A proteomic signature that reflects pancreatic beta-cell function. PLoS ONE, 2018, 13, e0202727.	2.5	10
105	Malnutrition: A Misunderstood Diagnosis by Primary Care Health Care Professionals and Community-Dwelling Older Adults in Ireland. Journal of the Academy of Nutrition and Dietetics, 2021, 121, 2443-2453.	0.8	10
106	Analysis of the National Adult Nutrition Survey (Ireland) and the Food4Me Nutrition Survey Databases to Explore the Development of Food Labelling Portion Sizes for the European Union. Nutrients, 2019, 11, 6.	4.1	10
107	Predicting fatty acid profiles in blood based on food intake and the FADS1 rs174546 SNP. Molecular Nutrition and Food Research, 2015, 59, 2565-2573.	3.3	9
108	Î±-Tocopherol Stereoisomers in Human Plasma Are Affected by the Level and Form of the Vitamin E Supplement Used. Journal of Nutrition, 2015, 145, 2347-2354.	2.9	9

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109	Weekday sunlight exposure, but not vitamin D intake, influences the association between vitamin D receptor genotype and circulating concentration 25â€hydroxyvitamin D in a panâ€European population: the Food4Me study. Molecular Nutrition and Food Research, 2017, 61, 1600476.	3.3	9
110	Genetic and Environmental Contributions to Variation in the Stable Urinary NMR Metabolome over Time: A Classic Twin Study. Journal of Proteome Research, 2021, 20, 3992-4000.	3.7	9
111	Characteristics of European adults who dropped out from the Food4Me Internet-based personalised nutrition intervention. Public Health Nutrition, 2017, 20, 53-63.	2.2	8
112	Plasma n-3 polyunsaturated fatty status and its relationship with vitamin E intake and plasma level. European Journal of Nutrition, 2017, 56, 1281-1291.	3.9	7
113	Exploring the Links between Diet and Health in an Irish Cohort: A Lipidomic Approach. Journal of Proteome Research, 2017, 16, 1280-1287.	3.7	7
114	Characteristics and determinants of high volume dispensing in long-term oral nutritional supplement users in primary care: a secondary analysis. BJGP Open, 2021, 5, BJGPO.2020.0131.	1.8	6
115	Genetic and environmental influences on covariation in reproducible dietâ€“metabolite associations. American Journal of Clinical Nutrition, 2021, 113, 1232-1240.	4.7	6
116	An observational analysis of meal patterns in overweight and obese pregnancy: exploring meal pattern behaviours and the association with maternal and fetal health measures. Irish Journal of Medical Science, 2020, 189, 585-594.	1.5	5
117	Exploring Covariation between Traditional Markers of Metabolic Health and the Plasma Metabolomic Profile: A Classic Twin Design. Journal of Proteome Research, 2019, 18, 2613-2623.	3.7	4
118	Uncovering Factors Related to Pancreatic Beta-Cell Function. PLoS ONE, 2016, 11, e0161350.	2.5	4
119	Implementation of a food science and nutrition module in a dental undergraduate curriculum. European Journal of Dental Education, 2023, 27, 402-408.	2.0	4
120	Respondent Characteristics and Dietary Intake Data Collected Using Web-Based and Traditional Nutrition Surveillance Approaches: Comparison and Usability Study. JMIR Public Health and Surveillance, 2021, 7, e22759.	2.6	3
121	Nutrition policy: developing scientific recommendations for food-based dietary guidelines for older adults living independently in Ireland. Proceedings of the Nutrition Society, 2022, 81, 49-61.	1.0	3
122	A Clustering Approach to Meal-Based Analysis of Dietary Intakes Applied to Population and Individual Data. Journal of Nutrition, 2022, 152, 2297-2308.	2.9	3
123	Personalized Nutrition: Making It Happen. , 2019, , 261-276.		2
124	Interactions of Carbohydrate Intake and Physical Activity with Regulatory Genes Affecting Glycaemia: A Food4Me Study Analysis. Lifestyle Genomics, 2021, 14, 63-72.	1.7	2
125	Associations between dietary patterns, FTO genotype and obesity in adults from seven European countries. European Journal of Nutrition, 2022, 61, 2953-2965.	3.9	2