Lorraine Brennan

List of Publications by Year in Descending Order

260 papers	11,609 citations	53 h-index	99 g-index
293 ext. papers	13,746 ext. citations	5 avg, IF	6.42 L-index

#	Paper	IF	Citations
260	Associations between dietary patterns, FTO genotype and obesity in adults from seven European countries.. *European Journal of Nutrition*, **2022**, 1	5.2	0
259	Plasma lipid alterations in young adults with psychotic experiences: A study from the Avon Longitudinal Study of Parents and Children cohort.. *Schizophrenia Research*, **2022**, 243, 78-85	3.6	0
258	The ability of deep eutectic solvent systems to extract bioactive compounds from apple pomace.. *Food Chemistry*, **2022**, 386, 132717	8.5	1
257	Effectiveness of a fortified drink in improving B vitamin biomarkers in older adults: a controlled intervention trial. *Nutrition and Metabolism*, **2021**, 18, 104	4.6	0
256	Sodium salicylate rewires hepatic metabolic pathways in obesity and attenuates IL-1β secretion from adipose tissue - implications for obesity-impaired reverse cholesterol transport.. *Molecular Metabolism*, **2021**, 56, 101425	8.8	1
255	Metabolomics Meets Nutritional Epidemiology: Harnessing the Potential in Metabolomics Data. *Metabolites*, **2021**, 11,	5.6	3
254	You Are What You Eat: Application of Metabolomics Approaches to Advance Nutrition Research. *Foods*, **2021**, 10,	4.9	6
253	Genetic and environmental influences on covariation in reproducible diet-metabolite associations. *American Journal of Clinical Nutrition*, **2021**, 113, 1232-1240	7	3
252	Protein quality and quantity influence the effect of dietary fat on weight gain and tissue partitioning via host-microbiota changes. *Cell Reports*, **2021**, 35, 109093	10.6	1
251	Classifying Individuals Into a Dietary Pattern Based on Metabolomic Data. *Molecular Nutrition and Food Research*, **2021**, 65, e2001183	5.9	3
250	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	8.4	5
249	A Multiomic Approach to Investigate the Effects of a Weight Loss Program on the Intestinal Health of Overweight Horses. *Frontiers in Veterinary Science*, **2021**, 8, 668120	3.1	1
248	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	5.6	3
247	Dysregulation of Lipid Metabolism Precedes Psychosis□o Is Psychosis a Metabolic Disorder?. *Biological Psychiatry*, **2021**, 89, 209-211	7.9	1
246	Towards a systematic use of effect biomarkers in population and occupational biomonitoring. *Environment International*, **2021**, 146, 106257	12.9	17
245	The bovine colostrum and milk metabolome at the onset of lactation as determined by 1H-NMR. *International Dairy Journal*, **2021**, 113, 104881	3.5	5
244	Discriminating Dietary Responses by Combining Transcriptomics and Metabolomics Data in Nutrition Intervention Studies. *Molecular Nutrition and Food Research*, **2021**, 65, e2000647	5.9	4

243	Radiation-induced Bystander Effect (RIBE) alters mitochondrial metabolism using a human rectal cancer ex vivo explant model. *Translational Oncology*, **2021**, 14, 100882	4.9	2
242	Interactions of Carbohydrate Intake and Physical Activity with Regulatory Genes Affecting Glycaemia: A Food4Me Study Analysis. *Lifestyle Genomics*, **2021**, 14, 63-72	2	1
241	Nutrigenomics: lessons learned and future perspectives. *American Journal of Clinical Nutrition*, **2021**, 113, 503-516	7	15
240	Leptin Supplementation During Lactation Restores Key Liver Metabolite Levels Malprogrammed by Gestational Calorie Restriction. *Molecular Nutrition and Food Research*, **2021**, 65, e2001046	5.9	0
239	multiMarker: software for modelling and prediction of continuous food intake using multiple biomarkers measurements. *BMC Bioinformatics*, **2021**, 22, 469	3.6	0
238	Genetic and environmental influences on serum oxylipins, endocannabinoids, bile acids and steroids. *Prostaglandins Leukotrienes and Essential Fatty Acids*, **2021**, 173, 102338	2.8	2
237	Potential Markers of Dietary Glycemic Exposures for Sustained Dietary Interventions in Populations without Diabetes. *Advances in Nutrition*, **2020**, 11, 1221-1236	10	6
236	Potential of food intake biomarkers in nutrition research. *Proceedings of the Nutrition Society*, **2020**, 1-11	2.9	2
235	Biomarkers of appetite: is there a potential role for metabolomics?. *Nutrition Research Reviews*, **2020**, 33, 271-286	7	6
234	Metabolomic-Based Approach to Identify Biomarkers of Apple Intake. *Molecular Nutrition and Food Research*, **2020**, 64, e1901158	5.9	3
233	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	3.6	5
232	The Role of Protein Intake and its Timing on Body Composition and Muscle Function in Healthy Adults: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. *Journal of Nutrition*, **2020**, 150, 1443-1460	4.1	9
231	Nutrition and the ageing brain: Moving towards clinical applications. *Ageing Research Reviews*, **2020**, 62, 101079	12	29
230	The Relationship between Fish Intake and Urinary Trimethylamine-N-Oxide. *Molecular Nutrition and Food Research*, **2020**, 64, e1900799	5.9	10
229	Optimisation of a metabotype approach to deliver targeted dietary advice. *Nutrition and Metabolism*, **2020**, 17, 82	4.6	4
228	Evaluation of the Metabotype Concept Identified in an Irish Population in the German KORA Cohort Study. *Molecular Nutrition and Food Research*, **2020**, 64, e1900918	5.9	1
227	Combining biomarker and self-reported dietary intake data: A review of the state of the art and an exposition of concepts. *Statistical Methods in Medical Research*, **2020**, 29, 617-635	2.3	7
226	Sex matters: a focus on the impact of biological sex on metabolomic profiles and dietary interventions. *Proceedings of the Nutrition Society*, **2020**, 79, 205-209	2.9	10

225	Metabotyping and its role in nutrition research. *Nutrition Research Reviews*, **2020**, 33, 33-42	7	13
224	The Potential of Multi-Biomarker Panels in Nutrition Research: Total Fruit Intake as an Example. *Frontiers in Nutrition*, **2020**, 7, 577720	6.2	2
223	Combining biomarker and food intake data: calibration equations for citrus intake. *American Journal of Clinical Nutrition*, **2019**, 110, 977-983	7	7
222	Integrated Lipidomics and Proteomics Point to Early Blood-Based Changes in Childhood Preceding Later Development of Psychotic Experiences: Evidence From the Avon Longitudinal Study of Parents and Children. *Biological Psychiatry*, **2019**, 86, 25-34	7.9	13
221	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	6.1	11
220	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	5.6	3
219	Visceral Adipose Tissue Modulates Radiosensitivity in Oesophageal Adenocarcinoma. *International Journal of Medical Sciences*, **2019**, 16, 519-528	3.7	5
218	Recent Advances in the Application of Metabolomics for Nutrition and Health. *Annual Review of Food Science and Technology*, **2019**, 10, 479-519	14.7	30
217	Role of metabolomics in identification of biomarkers related to food intake. *Proceedings of the Nutrition Society*, **2019**, 78, 189-196	2.9	18
216	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	3.7	9
215	Biomarkers of cereal food intake. *Genes and Nutrition*, **2019**, 14, 28	4.3	19
214	Biomarkers of meat and seafood intake: an extensive literature review. *Genes and Nutrition*, **2019**, 14, 35	4.3	27
213	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. *Molecular Nutrition and Food Research*, **2019**, 63, e1800384	5.9	107
212	Variable Glycemic Responses to Intact and Hydrolyzed Milk Proteins in Overweight and Obese Adults Reveal the Need for Precision Nutrition. *Journal of Nutrition*, **2019**, 149, 88-97	4.1	5
211	Metabolic Phenotyping in Nutrition Research **2019**, 449-460		
210	Academics conceptualisations of the research-teaching nexus in a research-intensive Irish university: A dynamic framework for growth & development. *Learning and Instruction*, **2019**, 60, 301-309	5.8	8
209	Metabolomics-Based Dietary Biomarkers in Nutritional Epidemiology-Current Status and Future Opportunities. *Molecular Nutrition and Food Research*, **2019**, 63, e1701064	5.9	45
208	Effects of a casein hydrolysate versus intact casein on gastric emptying and amino acid responses. *European Journal of Nutrition*, **2019**, 58, 955-964	5.2	5

207	Adiposity Associated Plasma Linoleic Acid is Related to Demographic, Metabolic Health and Haplotypes of FADS1/2 Genes in Irish Adults. *Molecular Nutrition and Food Research*, **2018**, 62, e1700785	5.9	2
206	Guidelines for Biomarker of Food Intake Reviews (BFIRev): how to conduct an extensive literature search for biomarker of food intake discovery. *Genes and Nutrition*, **2018**, 13, 3	4.3	47
205	Casein Hydrolysate with Glycemic Control Properties: Evidence from Cells, Animal Models, and Humans. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 4352-4363	5.7	21
204	Maternal metabolic response to dietary treatment for impaired glucose tolerance and gestational diabetes mellitus. *Irish Journal of Medical Science*, **2018**, 187, 701-708	1.9	6
203	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	5.2	18
202	A systematic review of metabolite biomarkers of schizophrenia. *Schizophrenia Research*, **2018**, 195, 32-50	3.6	60
201	Weighted Gene Co-Expression Network Analysis Identifies Gender Specific Modules and Hub Genes Related to Metabolism and Inflammation in Response to an Acute Lipid Challenge. *Molecular Nutrition and Food Research*, **2018**, 62, 1700388	5.9	8
200	Plasma metabolome analysis identifies distinct human metabotypes in the postprandial state with different susceptibility to weight loss-mediated metabolic improvements. *FASEB Journal*, **2018**, 32, 5447-5458	0.9	28
199	Generic Meal Patterns Identified by Latent Class Analysis: Insights from NANS (National Adult Nutrition Survey). *Nutrients*, **2018**, 10,	6.7	13
198	Association between Diet-Quality Scores, Adiposity, Total Cholesterol and Markers of Nutritional Status in European Adults: Findings from the Food4Me Study. *Nutrients*, **2018**, 10,	6.7	36
197	Preanalytical Processing and Biobanking Procedures of Biological Samples for Metabolomics Research: A White Paper, Community Perspective (for "Precision Medicine and Pharmacometabolomics Task Group"-The Metabolomics Society Initiative). *Clinical Chemistry*, **2018**, 64, 1158-1182	5.5	81
196	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	5.2	13
195	Gestational weight gain in obese pregnancy: impact on maternal and foetal metabolic parameters and birthweight. *Journal of Obstetrics and Gynaecology*, **2018**, 38, 60-65	1.3	11
194	A Metabolomics Approach to the Identification of Urinary Biomarkers of Pea Intake. *Nutrients*, **2018**, 10,	6.7	10
193	Impact of Sample Storage on the NMR Fecal Water Metabolome. *ACS Omega*, **2018**, 3, 16585-16590	3.9	5
192	Validation of biomarkers of food intake-critical assessment of candidate biomarkers. *Genes and Nutrition*, **2018**, 13, 14	4.3	98
191	Menstrual cycle rhythmicity: metabolic patterns in healthy women. *Scientific Reports*, **2018**, 8, 14568	4.9	55
190	Biomarkers of legume intake in human intervention and observational studies: a systematic review. *Genes and Nutrition*, **2018**, 13, 25	4.3	19

189	A proteomic signature that reflects pancreatic beta-cell function. *PLoS ONE*, **2018**, 13, e0202727	3.7	5
188	Moving toward Objective Biomarkers of Dietary Intake. *Journal of Nutrition*, **2018**, 148, 821-822	4.1	11
187	Plasma n-3 polyunsaturated fatty status and its relationship with vitamin E intake and plasma level. *European Journal of Nutrition*, **2017**, 56, 1281-1291	5.2	3
186	Follicular fluid and serum metabolites in Holstein cows are predictive of genetic merit for fertility. *Reproduction, Fertility and Development*, **2017**, 29, 658-669	1.8	11
185	Metabolomics as a tool in the identification of dietary biomarkers. *Proceedings of the Nutrition Society*, **2017**, 76, 42-53	2.9	32
184	The role of metabolomics in determination of new dietary biomarkers. *Proceedings of the Nutrition Society*, **2017**, 76, 295-302	2.9	31
183	Knowing your genes: does this impact behaviour change?. *Proceedings of the Nutrition Society*, **2017** , 76, 182-191	2.9	19
182	A metabolomic study of biomarkers of meat and fish intake. *American Journal of Clinical Nutrition*, **2017**, 105, 600-608	7	115
181	Exploring the Links between Diet and Health in an Irish Cohort: A Lipidomic Approach. *Journal of Proteome Research*, **2017**, 16, 1280-1287	5.6	4
180	Impact of ERG3 mutations and expression of ergosterol genes controlled by UPC2 and NDT80 in Candida parapsilosis azole resistance. *Clinical Microbiology and Infection*, **2017**, 23, 575.e1-575.e8	9.5	26
179	Metabolomic-based identification of clusters that reflect dietary patterns. *Molecular Nutrition and Food Research*, **2017**, 61, 1601050	5.9	18
178	Within-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	5.9	10
177	Demonstration of the utility of biomarkers for dietary intake assessment; proline betaine as an example. *Molecular Nutrition and Food Research*, **2017**, 61, 1700037	5.9	41
176	Can genetic-based advice help you lose weight? Findings from the Food4Me European randomized controlled trial. *American Journal of Clinical Nutrition*, **2017**, 105, 1204-1213	7	40
175	Characteristics of European adults who dropped out from the Food4Me Internet-based personalised nutrition intervention. *Public Health Nutrition*, **2017**, 20, 53-63	3.3	7
174	Sexual Dimorphism, Age, and Fat Mass Are Key Phenotypic Drivers of Proteomic Signatures. *Journal of Proteome Research*, **2017**, 16, 4122-4133	5.6	12
173	Metabolomics: a tool to aid dietary assessment in nutrition. *Current Opinion in Food Science*, **2017**, 16, 96-99	9.8	9
172	Metabotyping for the development of tailored dietary advice solutions in a European population: the Food4Me study. *British Journal of Nutrition*, **2017**, 118, 561-569	3.6	18

171	Proposed guidelines to evaluate scientific validity and evidence for genotype-based dietary advice. *Genes and Nutrition*, **2017**, 12, 35	4.3	72
170	A scheme for a flexible classification of dietary and health biomarkers. *Genes and Nutrition*, **2017**, 12, 34	4.3	49
169	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	8.4	9
168	Effect of personalized nutrition on health-related behaviour change: evidence from the Food4Me European randomized controlled trial. *International Journal of Epidemiology*, **2017**, 46, 578-588	7.8	138
167	Processed red meat contribution to dietary patterns and the associated cardio-metabolic outcomes. *British Journal of Nutrition*, **2017**, 118, 222-228	3.6	14
166	Estimation of Chicken Intake by Adults Using Metabolomics-Derived Markers. *Journal of Nutrition*, **2017**, 147, 1850-1857	4.1	20
165	Combining traditional dietary assessment methods with novel metabolomics techniques: present efforts by the Food Biomarker Alliance. *Proceedings of the Nutrition Society*, **2017**, 76, 619-627	2.9	62
164	Clustering high-dimensional mixed data to uncover sub-phenotypes: joint analysis of phenotypic and genotypic data. *Statistics in Medicine*, **2017**, 36, 4548-4569	2.3	9
163	Relationship between in vitro sperm functional assessments, seminal plasma composition, and field fertility after AI with either non-sorted or sex-sorted bull semen. *Theriogenology*, **2017**, 87, 221-228	2.8	32
162	Weekday sunlight exposure, but not vitamin D intake, influences the association between vitamin D receptor genotype and circulating concentration 25-hydroxyvitamin D in a pan-European population: the Food4Me study. *Molecular Nutrition and Food Research*, **2017**, 61, 1600476	5.9	7
161	Use of metabotyping for optimal nutrition. *Current Opinion in Biotechnology*, **2017**, 44, 35-38	11.4	25
160	Identification of a plasma signature of psychotic disorder in children and adolescents from the Avon Longitudinal Study of Parents and Children (ALSPAC) cohort. *Translational Psychiatry*, **2017**, 7, e1240	8.6	27
159	Personalised Interventions-A Precision Approach for the Next Generation of Dietary Intervention Studies. *Nutrients*, **2017**, 9,	6.7	33
158	Mediterranean Diet Adherence and Genetic Background Roles within a Web-Based Nutritional Intervention: The Food4Me Study. *Nutrients*, **2017**, 9,	6.7	18
157	Profile of European adults interested in internet-based personalised nutrition: the Food4Me study. *European Journal of Nutrition*, **2016**, 55, 759-769	5.2	27
156	A casein hydrolysate protects mice against high fat diet induced hyperglycemia by attenuating NLRP3 inflammasome-mediated inflammation and improving insulin signaling. *Molecular Nutrition and Food Research*, **2016**, 60, 2421-2432	5.9	16
155	The impact of 677C -lT risk knowledge on changes in folate intake: findings from the Food4Me study. *Genes and Nutrition*, **2016**, 11, 25	4.3	8
154	Personalised nutrition: the role of new dietary assessment methods. *Proceedings of the Nutrition Society*, **2016**, 75, 96-105	2.9	36

153	Twin metabolomics: the key to unlocking complex phenotypes in nutrition research. *Nutrition Research*, **2016**, 36, 291-304	4	9
152	Lactation-induced changes in metabolic status and follicular-fluid metabolomic profile in postpartum dairy cows. *Reproduction, Fertility and Development*, **2016**, 28, 1882-1892	1.8	19
151	Recommendations and Standardization of Biomarker Quantification Using NMR-Based Metabolomics with Particular Focus on Urinary Analysis. *Journal of Proteome Research*, **2016**, 15, 360-73	5.6	94
150	Association of the tumor necrosis factor-alpha promoter polymorphism with change in triacylglycerol response to sequential meals. *Nutrition Journal*, **2016**, 15, 70	4.3	3
149	Uncovering Factors Related to Pancreatic Beta-Cell Function. *PLoS ONE*, **2016**, 11, e0161350	3.7	4
148	Changes in Physical Activity Following a Genetic-Based Internet-Delivered Personalized Intervention: Randomized Controlled Trial (Food4Me). *Journal of Medical Internet Research*, **2016**, 18, e30	7.6	21
147	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	7.6	23
146	Using NMR-Based Metabolomics to Evaluate Postprandial Urinary Responses Following Consumption of Minimally Processed Wheat Bran or Wheat Aleurone by Men and Women. *Nutrients* , **2016**, 8, 96	6.7	11
145	Metabolomics in nutrition research-a powerful window into nutritional metabolism. *Essays in Biochemistry*, **2016**, 60, 451-458	7.6	18
144	Physical activity attenuates the effect of the FTO genotype on obesity traits in European adults: The Food4Me study. *Obesity*, **2016**, 24, 962-9	8	38
143	Bioavailability of milk protein-derived bioactive peptides: a glycaemic management perspective. *Nutrition Research Reviews*, **2016**, 29, 91-101	7	35
142	Plasma fatty acid patterns reflect dietary habits and metabolic health: A cross-sectional study. *Molecular Nutrition and Food Research*, **2016**, 60, 2043-52	5.9	21
141	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, 834-45	5.9	22
140	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, 288-97	7	49
139	Gene methylation parallelisms between peripheral blood cells and oral mucosa samples in relation to overweight. *Journal of Physiology and Biochemistry*, **2016**, 73, 465-474	5	12
138	Clustering of adherence to personalised dietary recommendations and changes in healthy eating index within the Food4Me study. *Public Health Nutrition*, **2016**, 19, 3296-3305	3.3	6
137	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	3.6	9
136	Comparison of the portion size and frequency of consumption of 156 foods across seven European countries: insights from the Food4ME study. *European Journal of Clinical Nutrition*, **2016**, 70, 642-4	5.2	9

135	Can metabotyping help deliver the promise of personalised nutrition?. *Proceedings of the Nutrition Society*, **2016**, 75, 106-114	2.9	19
134	Dietary fat intakes in Irish adults in 2011: how much has changed in 10 years?. *British Journal of Nutrition*, **2016**, 115, 1798-809	3.6	24
133	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, 202-11	3.6	33
132	Fat mass- and obesity-associated genotype, dietary intakes and anthropometric measures in European adults: the Food4Me study. *British Journal of Nutrition*, **2016**, 115, 440-8	3.6	17
131	Defensive Mutualism Rescues NADPH Oxidase Inactivation in Gut Infection. *Cell Host and Microbe*, **2016**, 19, 651-63	23.4	58
130	Reproducibility of the Online Food4Me Food-Frequency Questionnaire for Estimating Dietary Intakes across Europe. *Journal of Nutrition*, **2016**, 146, 1068-75	4.1	20
129	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, 1838-50	16.7	40
128	Metabolomics enables precision medicine: "A White Paper, Community Perspective". *Metabolomics*, **2016**, 12, 149	4.7	327
127	Understanding the physiological roles of polyhydroxybutyrate (PHB) in Rhodospirillum rubrum S1 under aerobic chemoheterotrophic conditions. *Applied Microbiology and Biotechnology*, **2016**, 100, 8901-12	5.7	18
126	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, 827-36	7	34
125	A metabolomics approach to the identification of biomarkers of sugar-sweetened beverage intake. *American Journal of Clinical Nutrition*, **2015**, 101, 471-7	7	49
124	Comparison of the effect of multicomponent and resistance training programs on metabolic health parameters in the elderly. *Archives of Gerontology and Geriatrics*, **2015**, 60, 412-7	4	11
123	How reliable is internet-based self-reported identity, socio-demographic and obesity measures in European adults?. *Genes and Nutrition*, **2015**, 10, 28	4.3	37
122	Metabolomics and nutritional challenge tests: what can we learn? **2015**, 197-202		
121	Metabolomics as a tool in nutritional research. *Current Opinion in Lipidology*, **2015**, 26, 30-4	4.4	62
120	Impact of probiotics in women with gestational diabetes mellitus on metabolic health: a randomized controlled trial. *American Journal of Obstetrics and Gynecology*, **2015**, 212, 496.e1-11	6.4	69
119	□Tocopherol Stereoisomers in Human Plasma Are Affected by the Level and Form of the Vitamin E Supplement Used. *Journal of Nutrition*, **2015**, 145, 2347-54	4.1	7
118	In vitro bioactive properties of intact and enzymatically hydrolysed whey protein: targeting the enteroinsular axis. *Food and Function*, **2015**, 6, 972-80	6.1	39

117	A generic coding approach for the examination of meal patterns. *American Journal of Clinical Nutrition*, **2015**, 102, 316-23	7	24
116	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	4.3	109
115	Lifestyle and dietary habits of an obese pregnant cohort. *Maternal and Child Health Journal*, **2015**, 19, 25-32	2.4	23
114	Development and automation of a dietary feedback system for the delivery of personalised dietary advice. *Proceedings of the Nutrition Society*, **2015**, 74,	2.9	1
113	Dietary patterns in Europe: the Food4Me proof of principle study. *Proceedings of the Nutrition Society*, **2015**, 74,	2.9	2
112	Application of Omics Technologies **2015**, 198-211		1
111	Body mass index mediates inflammatory response to acute dietary challenges. *Molecular Nutrition and Food Research*, **2015**, 59, 2279-92	5.9	10
110	Associations between FTO genotype and total energy and macronutrient intake in adults: a systematic review and meta-analysis. *Obesity Reviews*, **2015**, 16, 666-78	10.6	40
109	Modulation of the lipidomic profile due to a lipid challenge and fitness level: a postprandial study. *Lipids in Health and Disease*, **2015**, 14, 65	4.4	11
108	Use of metabotyping for the delivery of personalised nutrition. *Molecular Nutrition and Food Research*, **2015**, 59, 377-85	5.9	35
107	Predicting fatty acid profiles in blood based on food intake and the FADS1 rs174546 SNP. *Molecular Nutrition and Food Research*, **2015**, 59, 2565-73	5.9	9
106	Analysis of Dietary Pattern Impact on Weight Status for Personalised Nutrition through On-Line Advice: The Food4Me Spanish Cohort. *Nutrients*, **2015**, 7, 9523-37	6.7	20
105	An Overview of the Role of Metabolomics in the Identification of Dietary Biomarkers. *Current Nutrition Reports*, **2015**, 4, 304-312	6	13
104	Early pregnancy maternal urinary metabolomic profile and later insulin resistance and fetal adiposity. *Journal of Maternal-Fetal and Neonatal Medicine*, **2015**, 28, 1697-700	2	7
103	Using metabolomics to evaluate food intake: applications in nutritional epidemiology **2015**, 167-196		2
102	Standardizing the experimental conditions for using urine in NMR-based metabolomic studies with a particular focus on diagnostic studies: a review. *Metabolomics*, **2015**, 11, 872-894	4.7	171
101	Effects of the Mediterranean diet supplemented with coenzyme q10 on metabolomic profiles in elderly men and women. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2015**, 70, 78-84	6.4	37
100	Metabotyping **2015**, 137-144		2

99	Metabolomic applications in nutritional research: a perspective. *Journal of the Science of Food and Agriculture*, **2015**, 95, 2567-70	4.3	16
98	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	7.6	20
97	Relationship between the lipidome, inflammatory markers and insulin resistance. *Molecular BioSystems*, **2014**, 10, 1586-95		47
96	Probiotics in obese pregnancy do not reduce maternal fasting glucose: a double-blind, placebo-controlled, randomized trial (Probiotics in Pregnancy Study). *American Journal of Clinical Nutrition*, **2014**, 99, 1432-9	7	109
95	NMR-based metabolomics: from sample preparation to applications in nutrition research. *Progress in Nuclear Magnetic Resonance Spectroscopy*, **2014**, 83, 42-9	10.4	72
94	PBMCs reflect the immune component of the WAT transcriptome--implications as biomarkers of metabolic health in the postprandial state. *Molecular Nutrition and Food Research*, **2014**, 58, 808-20	5.9	30
93	The food metabolome: a window over dietary exposure. *American Journal of Clinical Nutrition*, **2014** , 99, 1286-308	7	335
92	Predictive value of bovine follicular components as markers of oocyte developmental potential. *Reproduction, Fertility and Development*, **2014**, 26, 337-45	1.8	52
91	Negative energy balance affects imprint stability in oocytes recovered from postpartum dairy cows. *Genomics*, **2014**, 104, 177-85	4.3	24
90	Dietary isoflavone intake is associated with evoked responses to inflammatory cardiometabolic stimuli and improved glucose homeostasis in healthy volunteers. *Nutrition, Metabolism and Cardiovascular Diseases*, **2014**, 24, 996-1003	4.5	26
89	Habitual dietary intake impacts on the lipidomic profile. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2014**, 966, 140-6	3.2	27
88	Acceptability of and compliance with a probiotic capsule intervention in pregnancy. *International Journal of Gynecology and Obstetrics*, **2014**, 125, 279-80	4	14
87	Reply to C Griffin. *American Journal of Clinical Nutrition*, **2014**, 100, 1209-10	7	1
86	Validation of Web-based self-reported socio-demographic and anthropometric data collected in the Food4Me Study. *Proceedings of the Nutrition Society*, **2014**, 73,	2.9	3
85	Metabolic profiling of human peripheral blood mononuclear cells: influence of vitamin d status and gender. *Metabolites*, **2014**, 4, 248-59	5.6	15
84	(1)H NMR based metabolic profiling of day 2 spent embryo media correlates with implantation potential. *Systems Biology in Reproductive Medicine*, **2014**, 60, 58-63	2.9	19
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