

# Lorraine Brennan

## List of Publications by Citations

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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	Gut microbiota composition correlates with diet and health in the elderly. <i>Nature</i> , <b>2012</b> , 488, 178-84	50.4	1987
259	Mass-spectrometry-based metabolomics: limitations and recommendations for future progress with particular focus on nutrition research. <i>Metabolomics</i> , <b>2009</b> , 5, 435-458	4.7	412
258	The food metabolome: a window over dietary exposure. <i>American Journal of Clinical Nutrition</i> , <b>2014</b> , 99, 1286-308	7	335
257	Metabolomics enables precision medicine: "A White Paper, Community Perspective". <i>Metabolomics</i> , <b>2016</b> , 12, 149	4.7	327
256	Metabolomics in human nutrition: opportunities and challenges. <i>American Journal of Clinical Nutrition</i> , <b>2005</b> , 82, 497-503	7	307
255	Metabolomics in human nutrition: opportunities and challenges. <i>American Journal of Clinical Nutrition</i> , <b>2005</b> , 82, 497-503	7	293
254	Predictors of dropout in weight loss interventions: a systematic review of the literature. <i>Obesity Reviews</i> , <b>2011</b> , 12, 912-34	10.6	282
253	Effect of acute dietary standardization on the urinary, plasma, and salivary metabolomic profiles of healthy humans. <i>American Journal of Clinical Nutrition</i> , <b>2006</b> , 84, 531-9	7	241
252	Dietary intake patterns are reflected in metabolomic profiles: potential role in dietary assessment studies. <i>American Journal of Clinical Nutrition</i> , <b>2011</b> , 93, 314-21	7	217
251	New insights into amino acid metabolism, beta-cell function and diabetes. <i>Clinical Science</i> , <b>2005</b> , 108, 185-94	6.5	174
250	Standardizing the experimental conditions for using urine in NMR-based metabolomic studies with a particular focus on diagnostic studies: a review. <i>Metabolomics</i> , <b>2015</b> , 11, 872-894	4.7	171
249	Amino acid metabolism, insulin secretion and diabetes. <i>Biochemical Society Transactions</i> , <b>2007</b> , 35, 1180-6	6.1	140
248	Effect of personalized nutrition on health-related behaviour change: evidence from the Food4Me European randomized controlled trial. <i>International Journal of Epidemiology</i> , <b>2017</b> , 46, 578-588	7.8	138
247	Influence of acute phytochemical intake on human urinary metabolomic profiles. <i>American Journal of Clinical Nutrition</i> , <b>2007</b> , 86, 1687-93	7	116
246	A metabolomic study of biomarkers of meat and fish intake. <i>American Journal of Clinical Nutrition</i> , <b>2017</b> , 105, 600-608	7	115
245	Online dietary intake estimation: reproducibility and validity of the Food4Me food frequency questionnaire against a 4-day weighed food record. <i>Journal of Medical Internet Research</i> , <b>2014</b> , 16, e190	7.6	112
244	Design and baseline characteristics of the Food4Me study: a web-based randomised controlled trial of personalised nutrition in seven European countries. <i>Genes and Nutrition</i> , <b>2015</b> , 10, 450	4.3	109

243	Probiotics in obese pregnancy do not reduce maternal fasting glucose: a double-blind, placebo-controlled, randomized trial (Probiotics in Pregnancy Study). <i>American Journal of Clinical Nutrition</i> , <b>2014</b> , 99, 1432-9	7	109
242	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1800384	5.9	107
241	A nuclear magnetic resonance-based demonstration of substantial oxidative L-alanine metabolism and L-alanine-enhanced glucose metabolism in a clonal pancreatic beta-cell line: metabolism of L-alanine is important to the regulation of insulin secretion. <i>Diabetes</i> , <b>2002</b> , 51, 1714-21	0.9	102
240	Metabolite concentrations in follicular fluid may explain differences in fertility between heifers and lactating cows. <i>Reproduction</i> , <b>2010</b> , 139, 1047-55	3.8	101
239	Enhancing cognitive functioning in the elderly: multicomponent vs resistance training. <i>Clinical Interventions in Aging</i> , <b>2013</b> , 8, 19-27	4	100
238	Validation of biomarkers of food intake-critical assessment of candidate biomarkers. <i>Genes and Nutrition</i> , <b>2018</b> , 13, 14	4.3	98
237	An investigation into the relationship between the metabolic profile of follicular fluid, oocyte developmental potential, and implantation outcome. <i>Fertility and Sterility</i> , <b>2012</b> , 97, 1078-84.e1-8	4.8	97
236	Recommendations and Standardization of Biomarker Quantification Using NMR-Based Metabolomics with Particular Focus on Urinary Analysis. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 360-73	5.6	94
235	Online dietary intake estimation: the Food4Me food frequency questionnaire. <i>Journal of Medical Internet Research</i> , <b>2014</b> , 16, e150	7.6	88
234	Influence of acute phytochemical intake on human urinary metabolomic profiles. <i>American Journal of Clinical Nutrition</i> , <b>2007</b> , 86, 1687-1693	7	85
233	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). <i>Clinical Chemistry</i> , <b>2018</b> , 64, 1158-1182	5.5	81
232	Probabilistic principal component analysis for metabolomic data. <i>BMC Bioinformatics</i> , <b>2010</b> , 11, 571	3.6	81
231	The potential role of vitamin D enhanced foods in improving vitamin D status. <i>Nutrients</i> , <b>2011</b> , 3, 1023-46	6.7	79
230	Metabolic profiling of human follicular fluid identifies potential biomarkers of oocyte developmental competence. <i>Reproduction</i> , <b>2013</b> , 146, 389-95	3.8	78
229	Proposed guidelines to evaluate scientific validity and evidence for genotype-based dietary advice. <i>Genes and Nutrition</i> , <b>2017</b> , 12, 35	4.3	72
228	NMR-based metabolomics: from sample preparation to applications in nutrition research. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , <b>2014</b> , 83, 42-9	10.4	72
227	Metabolomics in nutrition research: current status and perspectives. <i>Biochemical Society Transactions</i> , <b>2013</b> , 41, 670-3	5.1	72
226	Impact of probiotics in women with gestational diabetes mellitus on metabolic health: a randomized controlled trial. <i>American Journal of Obstetrics and Gynecology</i> , <b>2015</b> , 212, 496.e1-11	6.4	69

225	The fatty acid profile of the skin surface lipid layer in papulopustular rosacea. <i>British Journal of Dermatology</i> , <b>2012</b> , 166, 279-87	4	68
224	Biochemical and metabolomic phenotyping in the identification of a vitamin D responsive metabotype for markers of the metabolic syndrome. <i>Molecular Nutrition and Food Research</i> , <b>2011</b> , 55, 679-90	5.9	66
223	Structural basis for the network of functional cooperativities in cytochrome c(3) from <i>Desulfovibrio gigas</i> : solution structures of the oxidised and reduced states. <i>Journal of Molecular Biology</i> , <b>2000</b> , 298, 61-82	6.5	66
222	Metabolomics as a tool in nutritional research. <i>Current Opinion in Lipidology</i> , <b>2015</b> , 26, 30-4	4.4	62
221	Six weeks of a polarized training-intensity distribution leads to greater physiological and performance adaptations than a threshold model in trained cyclists. <i>Journal of Applied Physiology</i> , <b>2013</b> , 114, 461-71	3.7	62
220	Combining traditional dietary assessment methods with novel metabolomics techniques: present efforts by the Food Biomarker Alliance. <i>Proceedings of the Nutrition Society</i> , <b>2017</b> , 76, 619-627	2.9	62
219	A systematic review of metabolite biomarkers of schizophrenia. <i>Schizophrenia Research</i> , <b>2018</b> , 195, 32-50	3.6	60
218	MetSizeR: selecting the optimal sample size for metabolomic studies using an analysis based approach. <i>BMC Bioinformatics</i> , <b>2013</b> , 14, 338	3.6	60
217	Alterations in hepatic one-carbon metabolism and related pathways following a high-fat dietary intervention. <i>Physiological Genomics</i> , <b>2011</b> , 43, 408-16	3.6	59
216	Electronic Structure of Low-Spin Ferric Porphyrins: <sup>13</sup> C NMR Studies of the Influence of Axial Ligand Orientation. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 13240-13247	16.4	59
215	The relationship between BMI and metabolomic profiles: a focus on amino acids. <i>Proceedings of the Nutrition Society</i> , <b>2012</b> , 71, 634-8	2.9	58
214	Defensive Mutualism Rescues NADPH Oxidase Inactivation in Gut Infection. <i>Cell Host and Microbe</i> , <b>2016</b> , 19, 651-63	23.4	58
213	Applying random forests to identify biomarker panels in serum 2D-DIGE data for the detection and staging of prostate cancer. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 1361-73	5.6	57
212	Effects of menstrual cycle phase on metabolomic profiles in premenopausal women. <i>Human Reproduction</i> , <b>2010</b> , 25, 949-56	5.7	57
211	Identification of differential responses to an oral glucose tolerance test in healthy adults. <i>PLoS ONE</i> , <b>2013</b> , 8, e72890	3.7	55
210	Menstrual cycle rhythmicity: metabolic patterns in healthy women. <i>Scientific Reports</i> , <b>2018</b> , 8, 14568	4.9	55
209	Determination of solution structures of paramagnetic proteins by NMR. <i>European Biophysics Journal</i> , <b>1998</b> , 27, 367-75	1.9	53
208	Predictive value of bovine follicular components as markers of oocyte developmental potential. <i>Reproduction, Fertility and Development</i> , <b>2014</b> , 26, 337-45	1.8	52

207	13C NMR analysis reveals a link between L-glutamine metabolism, D-glucose metabolism and gamma-glutamyl cycle activity in a clonal pancreatic beta-cell line. <i>Diabetologia</i> , <b>2003</b> , 46, 1512-21	10.3	51
206	Metabolomics in the identification of biomarkers of dietary intake. <i>Computational and Structural Biotechnology Journal</i> , <b>2013</b> , 4, e201301004	6.8	50
205	A metabolomics approach to the identification of biomarkers of sugar-sweetened beverage intake. <i>American Journal of Clinical Nutrition</i> , <b>2015</b> , 101, 471-7	7	49
204	A scheme for a flexible classification of dietary and health biomarkers. <i>Genes and Nutrition</i> , <b>2017</b> , 12, 34	4.3	49
203	The importance of redox shuttles to pancreatic beta-cell energy metabolism and function. <i>Biochemical Society Transactions</i> , <b>2006</b> , 34, 811-4	5.1	49
202	Solution structure of plantaricin C, a novel lantibiotic. <i>FEBS Journal</i> , <b>1999</b> , 264, 833-9		49
201	Effect of an Internet-based, personalized nutrition randomized trial on dietary changes associated with the Mediterranean diet: the Food4Me Study. <i>American Journal of Clinical Nutrition</i> , <b>2016</b> , 104, 288-97	7	49
200	Guidelines for Biomarker of Food Intake Reviews (BFIRev): how to conduct an extensive literature search for biomarker of food intake discovery. <i>Genes and Nutrition</i> , <b>2018</b> , 13, 3	4.3	47
199	Relationship between the lipidome, inflammatory markers and insulin resistance. <i>Molecular BioSystems</i> , <b>2014</b> , 10, 1586-95		47
198	Metabolomics-Based Dietary Biomarkers in Nutritional Epidemiology-Current Status and Future Opportunities. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1701064	5.9	45
197	Glutathione depletion causes a JNK and p38MAPK-mediated increase in expression of cystathionine-gamma-lyase and upregulation of the transsulfuration pathway in C6 glioma cells. <i>Neurochemistry International</i> , <b>2010</b> , 56, 611-9	4.4	43
196	Mitochondria-derived glutamate at the interplay between branched-chain amino acid and glucose-induced insulin secretion. <i>FEBS Letters</i> , <b>2003</b> , 545, 167-72	3.8	43
195	Demonstration of the utility of biomarkers for dietary intake assessment; proline betaine as an example. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1700037	5.9	41
194	Detrimental actions of metabolic syndrome risk factor, homocysteine, on pancreatic beta-cell glucose metabolism and insulin secretion. <i>Journal of Endocrinology</i> , <b>2006</b> , 189, 301-10	4.7	41
193	Can genetic-based advice help you lose weight? Findings from the Food4Me European randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , <b>2017</b> , 105, 1204-1213	7	40
192	Associations between FTO genotype and total energy and macronutrient intake in adults: a systematic review and meta-analysis. <i>Obesity Reviews</i> , <b>2015</b> , 16, 666-78	10.6	40
191	High-Density Lipoprotein Proteomic Composition, and not Efflux Capacity, Reflects Differential Modulation of Reverse Cholesterol Transport by Saturated and Monounsaturated Fat Diets. <i>Circulation</i> , <b>2016</b> , 133, 1838-50	16.7	40
190	In vitro bioactive properties of intact and enzymatically hydrolysed whey protein: targeting the enteroinsular axis. <i>Food and Function</i> , <b>2015</b> , 6, 972-80	6.1	39

189	The relationship between aerobic fitness level and metabolic profiles in healthy adults. <i>Molecular Nutrition and Food Research</i> , <b>2013</b> , 57, 1246-54	5.9	38
188	Physical activity attenuates the effect of the FTO genotype on obesity traits in European adults: The Food4Me study. <i>Obesity</i> , <b>2016</b> , 24, 962-9	8	38
187	How reliable is internet-based self-reported identity, socio-demographic and obesity measures in European adults?. <i>Genes and Nutrition</i> , <b>2015</b> , 10, 28	4.3	37
186	Effects of the Mediterranean diet supplemented with coenzyme q10 on metabolomic profiles in elderly men and women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2015</b> , 70, 78-84	6.4	37
185	Metabolomics identifies changes in fatty acid and amino acid profiles in serum of overweight older adults following a weight loss intervention. <i>Journal of Physiology and Biochemistry</i> , <b>2014</b> , 70, 593-602	5	37
184	Personalised nutrition: the role of new dietary assessment methods. <i>Proceedings of the Nutrition Society</i> , <b>2016</b> , 75, 96-105	2.9	36
183	Association between Diet-Quality Scores, Adiposity, Total Cholesterol and Markers of Nutritional Status in European Adults: Findings from the Food4Me Study. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	36
182	Probiotics in pregnancy and maternal outcomes: a systematic review. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , <b>2013</b> , 26, 772-8	2	36
181	Use of metabolotyping for the delivery of personalised nutrition. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 377-85	5.9	35
180	Authentication of beef production systems using a metabolomic-based approach. <i>Animal</i> , <b>2012</b> , 6, 167-73.1	3.1	35
179	Bioavailability of milk protein-derived bioactive peptides: a glycaemic management perspective. <i>Nutrition Research Reviews</i> , <b>2016</b> , 29, 91-101	7	35
178	Session 2: Personalised nutrition. Metabolomic applications in nutritional research. <i>Proceedings of the Nutrition Society</i> , <b>2008</b> , 67, 404-8	2.9	34
177	The effect of the apolipoprotein E genotype on response to personalized dietary advice intervention: findings from the Food4Me randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , <b>2016</b> , 104, 827-36	7	34
176	Personalised Interventions-A Precision Approach for the Next Generation of Dietary Intervention Studies. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	33
175	Application of dried blood spots to determine vitamin D status in a large nutritional study with unsupervised sampling: the Food4Me project. <i>British Journal of Nutrition</i> , <b>2016</b> , 115, 202-11	3.6	33
174	Metabolomics as a tool in the identification of dietary biomarkers. <i>Proceedings of the Nutrition Society</i> , <b>2017</b> , 76, 42-53	2.9	32
173	Relationship between in vitro sperm functional assessments, seminal plasma composition, and field fertility after AI with either non-sorted or sex-sorted bull semen. <i>Theriogenology</i> , <b>2017</b> , 87, 221-228	2.8	32
172	Effects of pentylenetetrazole-induced seizures on metabolomic profiles of rat brain. <i>Neurochemistry International</i> , <b>2010</b> , 56, 340-4	4.4	32

171	The role of metabolomics in determination of new dietary biomarkers. <i>Proceedings of the Nutrition Society</i> , <b>2017</b> , 76, 295-302	2.9	31
170	Recent Advances in the Application of Metabolomics for Nutrition and Health. <i>Annual Review of Food Science and Technology</i> , <b>2019</b> , 10, 479-519	14.7	30
169	PBMCs reflect the immune component of the WAT transcriptome--implications as biomarkers of metabolic health in the postprandial state. <i>Molecular Nutrition and Food Research</i> , <b>2014</b> , 58, 808-20	5.9	30
168	Nutrition and the ageing brain: Moving towards clinical applications. <i>Ageing Research Reviews</i> , <b>2020</b> , 62, 101079	12	29
167	Plasma metabolome analysis identifies distinct human metabolotypes in the postprandial state with different susceptibility to weight loss-mediated metabolic improvements. <i>FASEB Journal</i> , <b>2018</b> , 32, 5447-5458	0.9	28
166	Within-person variation in the postprandial lipemic response of healthy adults. <i>American Journal of Clinical Nutrition</i> , <b>2013</b> , 97, 261-7	7	28
165	Profile of European adults interested in internet-based personalised nutrition: the Food4Me study. <i>European Journal of Nutrition</i> , <b>2016</b> , 55, 759-769	5.2	27
164	Habitual dietary intake impacts on the lipidomic profile. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 966, 140-6	3.2	27
163	Identification of a plasma signature of psychotic disorder in children and adolescents from the Avon Longitudinal Study of Parents and Children (ALSPAC) cohort. <i>Translational Psychiatry</i> , <b>2017</b> , 7, e1240	8.6	27
162	Biomarkers of meat and seafood intake: an extensive literature review. <i>Genes and Nutrition</i> , <b>2019</b> , 14, 35	4.3	27
161	Impact of ERG3 mutations and expression of ergosterol genes controlled by UPC2 and NDT80 in <i>Candida parapsilosis</i> azole resistance. <i>Clinical Microbiology and Infection</i> , <b>2017</b> , 23, 575.e1-575.e8	9.5	26
160	Dietary isoflavone intake is associated with evoked responses to inflammatory cardiometabolic stimuli and improved glucose homeostasis in healthy volunteers. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2014</b> , 24, 996-1003	4.5	26
159	MetaFIND: a feature analysis tool for metabolomics data. <i>BMC Bioinformatics</i> , <b>2008</b> , 9, 470	3.6	26
158	Use of metabotyping for optimal nutrition. <i>Current Opinion in Biotechnology</i> , <b>2017</b> , 44, 35-38	11.4	25
157	Effects of homocysteine on metabolic pathways in cultured astrocytes. <i>Neurochemistry International</i> , <b>2008</b> , 52, 1410-5	4.4	25
156	A generic coding approach for the examination of meal patterns. <i>American Journal of Clinical Nutrition</i> , <b>2015</b> , 102, 316-23	7	24
155	Negative energy balance affects imprint stability in oocytes recovered from postpartum dairy cows. <i>Genomics</i> , <b>2014</b> , 104, 177-85	4.3	24
154	Dietary fat intakes in Irish adults in 2011: how much has changed in 10 years?. <i>British Journal of Nutrition</i> , <b>2016</b> , 115, 1798-809	3.6	24



153	Lifestyle and dietary habits of an obese pregnant cohort. <i>Maternal and Child Health Journal</i> , <b>2015</b> , 19, 25-32	2.4	23
152	Effect of supplementation with vitamin D2-enhanced mushrooms on vitamin D status in healthy adults. <i>Journal of Nutritional Science</i> , <b>2013</b> , 2, e29	2.7	23
151	NMR structure of the haem core of a novel tetrahaem cytochrome isolated from <i>Shewanella frigidimarina</i> : identification of the haem-specific axial ligands and order of oxidation. <i>FEBS Letters</i> , <b>2001</b> , 489, 8-13	3.8	23
150	A Dietary Feedback System for the Delivery of Consistent Personalized Dietary Advice in the Web-Based Multicenter Food4Me Study. <i>Journal of Medical Internet Research</i> , <b>2016</b> , 18, e150	7.6	23
149	Paramagnetic NMR shifts in cyanoferricytochrome c. Investigation of thermal stability and deviations from Curie law behaviour. <i>BBA - Proteins and Proteomics</i> , <b>1997</b> , 1342, 1-12		22
148	The NuGO proof of principle study package: a collaborative research effort of the European Nutrigenomics Organisation. <i>Genes and Nutrition</i> , <b>2008</b> , 3, 147-51	4.3	22
147	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. <i>Molecular Nutrition and Food Research</i> , <b>2016</b> , 60, 834-45	5.9	22
146	Casein Hydrolysate with Glycemic Control Properties: Evidence from Cells, Animal Models, and Humans. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 4352-4363	5.7	21
145	Metabolomic analysis of pancreatic beta cells following exposure to high glucose. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2013</b> , 1830, 2583-90	4	21
144	Changes in Physical Activity Following a Genetic-Based Internet-Delivered Personalized Intervention: Randomized Controlled Trial (Food4Me). <i>Journal of Medical Internet Research</i> , <b>2016</b> , 18, e30	7.6	21
143	Plasma fatty acid patterns reflect dietary habits and metabolic health: A cross-sectional study. <i>Molecular Nutrition and Food Research</i> , <b>2016</b> , 60, 2043-52	5.9	21
142	Estimation of Chicken Intake by Adults Using Metabolomics-Derived Markers. <i>Journal of Nutrition</i> , <b>2017</b> , 147, 1850-1857	4.1	20
141	Analysis of Dietary Pattern Impact on Weight Status for Personalised Nutrition through On-Line Advice: The Food4Me Spanish Cohort. <i>Nutrients</i> , <b>2015</b> , 7, 9523-37	6.7	20
140	Authentication of grass-fed beef using bovine muscle, hair or urine. <i>Trends in Food Science and Technology</i> , <b>2012</b> , 28, 69-76	15.3	20
139	Effects of a Web-Based Personalized Intervention on Physical Activity in European Adults: A Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , <b>2015</b> , 17, e231	7.6	20
138	Reproducibility of the Online Food4Me Food-Frequency Questionnaire for Estimating Dietary Intakes across Europe. <i>Journal of Nutrition</i> , <b>2016</b> , 146, 1068-75	4.1	20
137	Knowing your genes: does this impact behaviour change?. <i>Proceedings of the Nutrition Society</i> , <b>2017</b> , 76, 182-191	2.9	19
136	Lactation-induced changes in metabolic status and follicular-fluid metabolomic profile in postpartum dairy cows. <i>Reproduction, Fertility and Development</i> , <b>2016</b> , 28, 1882-1892	1.8	19



135	Biomarkers of cereal food intake. <i>Genes and Nutrition</i> , <b>2019</b> , 14, 28	4.3	19
134	(1)H NMR based metabolic profiling of day 2 spent embryo media correlates with implantation potential. <i>Systems Biology in Reproductive Medicine</i> , <b>2014</b> , 60, 58-63	2.9	19
133	NMR structure of Desulfovibrio gigas rubredoxin: a model for studying protein stabilization by compatible solutes. <i>Extremophiles</i> , <b>2001</b> , 5, 303-11	3	19
132	Can metabotyping help deliver the promise of personalised nutrition?. <i>Proceedings of the Nutrition Society</i> , <b>2016</b> , 75, 106-114	2.9	19
131	Biomarkers of legume intake in human intervention and observational studies: a systematic review. <i>Genes and Nutrition</i> , <b>2018</b> , 13, 25	4.3	19
130	Metabolomic-based identification of clusters that reflect dietary patterns. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1601050	5.9	18
129	Metabotyping for the development of tailored dietary advice solutions in a European population: the Food4Me study. <i>British Journal of Nutrition</i> , <b>2017</b> , 118, 561-569	3.6	18
128	Role of metabolomics in identification of biomarkers related to food intake. <i>Proceedings of the Nutrition Society</i> , <b>2019</b> , 78, 189-196	2.9	18
127	Associations of vitamin D status with dietary intakes and physical activity levels among adults from seven European countries: the Food4Me study. <i>European Journal of Nutrition</i> , <b>2018</b> , 57, 1357-1368	5.2	18
126	Mediterranean Diet Adherence and Genetic Background Roles within a Web-Based Nutritional Intervention: The Food4Me Study. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	18
125	The solution structure of a tetraheme cytochrome from <i>Shewanella frigidimarina</i> reveals a novel family structural motif. <i>Biochemistry</i> , <b>2008</b> , 47, 11973-80	3.2	18
124	Metabolomics in nutrition research-a powerful window into nutritional metabolism. <i>Essays in Biochemistry</i> , <b>2016</b> , 60, 451-458	7.6	18
123	Understanding the physiological roles of polyhydroxybutyrate (PHB) in <i>Rhodospirillum rubrum</i> S1 under aerobic chemoheterotrophic conditions. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 8901-12	5.7	18
122	Excess visceral adiposity induces alterations in mitochondrial function and energy metabolism in esophageal adenocarcinoma. <i>BMC Cancer</i> , <b>2014</b> , 14, 907	4.8	17
121	Fat mass- and obesity-associated genotype, dietary intakes and anthropometric measures in European adults: the Food4Me study. <i>British Journal of Nutrition</i> , <b>2016</b> , 115, 440-8	3.6	17
120	Towards a systematic use of effect biomarkers in population and occupational biomonitoring. <i>Environment International</i> , <b>2021</b> , 146, 106257	12.9	17
119	A casein hydrolysate protects mice against high fat diet induced hyperglycemia by attenuating NLRP3 inflammasome-mediated inflammation and improving insulin signaling. <i>Molecular Nutrition and Food Research</i> , <b>2016</b> , 60, 2421-2432	5.9	16
118	Metabolomic applications in nutritional research: a perspective. <i>Journal of the Science of Food and Agriculture</i> , <b>2015</b> , 95, 2567-70	4.3	16

117	Understanding the metabolome [Challenges for metabolomics. <i>Nutrition Bulletin</i> , <b>2008</b> , 33, 316-323	3.5	16
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