

John C. Mathers

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

361
papers

16,199
citations

68
h-index

111
g-index

400
ext. papers

19,612
ext. citations

5.5
avg, IF

6.77
L-index

#	Paper	IF	Citations
361	Long-term effect of aspirin on cancer risk in carriers of hereditary colorectal cancer: an analysis from the CAPP2 randomised controlled trial. <i>Lancet, The</i> , 2011 , 378, 2081-7	4.0	715
360	Primary care-led weight management for remission of type 2 diabetes (DiRECT): an open-label, cluster-randomised trial. <i>Lancet, The</i> , 2018 , 391, 541-551	4.0	713
359	Tracking of obesity-related behaviours from childhood to adulthood: A systematic review. <i>Maturitas</i> , 2011 , 70, 266-84	5	576
358	Origins of lifetime health around the time of conception: causes and consequences. <i>Lancet, The</i> , 2018 , 391, 1842-1852	4.0	474
357	Effects of the Dietary Approach to Stop Hypertension (DASH) diet on cardiovascular risk factors: a systematic review and meta-analysis. <i>British Journal of Nutrition</i> , 2015 , 113, 1-15	3.6	315
356	Biomarkers of the intake of dietary polyphenols: strengths, limitations and application in nutrition research. <i>British Journal of Nutrition</i> , 2008 , 99, 12-22	3.6	310
355	Durability of a primary care-led weight-management intervention for remission of type 2 diabetes: 2-year results of the DiRECT open-label, cluster-randomised trial. <i>Lancet Diabetes and Endocrinology, the</i> , 2019 , 7, 344-355	18.1	273
354	Effects of exercise modalities on arterial stiffness and wave reflection: a systematic review and meta-analysis of randomized controlled trials. <i>PLoS ONE</i> , 2014 , 9, e110034	3.7	240
353	Effect of aspirin or resistant starch on colorectal neoplasia in the Lynch syndrome. <i>New England Journal of Medicine</i> , 2008 , 359, 2567-78	59.2	228
352	Multigenerational epigenetic adaptation of the hepatic wound-healing response. <i>Nature Medicine</i> , 2012 , 18, 1369-77	50.5	217
351	Induction of epigenetic alterations by dietary and other environmental factors. <i>Advances in Genetics</i> , 2010 , 71, 3-39	3.3	213
350	Inorganic nitrate and beetroot juice supplementation reduces blood pressure in adults: a systematic review and meta-analysis. <i>Journal of Nutrition</i> , 2013 , 143, 818-26	4.1	207
349	Genetic polymorphisms in the human selenoprotein P gene determine the response of selenoprotein markers to selenium supplementation in a gender-specific manner (the SELGEN study). <i>FASEB Journal</i> , 2007 , 21, 3063-74	0.9	167
348	A randomized placebo-controlled prevention trial of aspirin and/or resistant starch in young people with familial adenomatous polyposis. <i>Cancer Prevention Research</i> , 2011 , 4, 655-65	3.2	158
347	Objective assessment of dietary patterns by use of metabolic phenotyping: a randomised, controlled, crossover trial. <i>Lancet Diabetes and Endocrinology, the</i> , 2017 , 5, 184-195	18.1	143
346	Are behavioral interventions effective in increasing physical activity at 12 to 36 months in adults aged 55 to 70 years? A systematic review and meta-analysis. <i>BMC Medicine</i> , 2013 , 11, 75	11.4	140
345	Longitudinal change in food habits between adolescence (11-12 years) and adulthood (32-33 years): the ASH30 Study. <i>Journal of Public Health</i> , 2006 , 28, 10-6	3.5	139

344	Effect of personalized nutrition on health-related behaviour change: evidence from the Food4Me European randomized controlled trial. <i>International Journal of Epidemiology</i> , 2017 , 46, 578-588	7.8	138
343	Exercise modalities and endothelial function: a systematic review and dose-response meta-analysis of randomized controlled trials. <i>Sports Medicine</i> , 2015 , 45, 279-96	10.6	137
342	Personalised nutrition and health. <i>BMJ, The</i> , 2018 , 361, bmj.k2173	5.9	135
341	Remission of Human Type 2 Diabetes Requires Decrease in Liver and Pancreas Fat Content but Is Dependent upon Capacity for β Cell Recovery. <i>Cell Metabolism</i> , 2018 , 28, 547-556.e3	24.6	132
340	A proposed panel of biomarkers of healthy ageing. <i>BMC Medicine</i> , 2015 , 13, 222	11.4	130
339	Anti-cancer effects of butyrate: use of micro-array technology to investigate mechanisms. <i>Proceedings of the Nutrition Society</i> , 2003 , 62, 107-15	2.9	123
338	Assessing the survival of transgenic plant DNA in the human gastrointestinal tract. <i>Nature Biotechnology</i> , 2004 , 22, 204-9	44.5	121
337	Instrumenting gait with an accelerometer: a system and algorithm examination. <i>Medical Engineering and Physics</i> , 2015 , 37, 400-7	2.4	119
336	Proline betaine and its biotransformation products in fasting urine samples are potential biomarkers of habitual citrus fruit consumption. <i>British Journal of Nutrition</i> , 2011 , 106, 812-24	3.6	114
335	Comparison of methods for quantification of global DNA methylation in human cells and tissues. <i>PLoS ONE</i> , 2013 , 8, e79044	3.7	112
334	The case for strategic international alliances to harness nutritional genomics for public and personal health. <i>British Journal of Nutrition</i> , 2005 , 94, 623-32	3.6	112
333	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> , 2014 , 16, e190	7.6	112
332	Use of mass spectrometry fingerprinting to identify urinary metabolites after consumption of specific foods. <i>American Journal of Clinical Nutrition</i> , 2011 , 94, 981-91	7	110
331	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> , 2015 , 10, 450	4.3	109
330	A novel zinc-regulated human zinc transporter, hZTL1, is localized to the enterocyte apical membrane. <i>Journal of Biological Chemistry</i> , 2002 , 277, 22789-97	5.4	107
329	Genetic and non-genetic influences during pregnancy on infant global and site specific DNA methylation: role for folate gene variants and vitamin B12. <i>PLoS ONE</i> , 2012 , 7, e33290	3.7	105
328	Differential DNA methylation of genes involved in fibrosis progression in non-alcoholic fatty liver disease and alcoholic liver disease. <i>Clinical Epigenetics</i> , 2015 , 7, 25	7.7	104
327	Pulses and carcinogenesis: potential for the prevention of colon, breast and other cancers. <i>British Journal of Nutrition</i> , 2002 , 88 Suppl 3, S273-9	3.6	101

326	Proteomic analysis reveals field-wide changes in protein expression in the morphologically normal mucosa of patients with colorectal neoplasia. <i>Cancer Research</i> , 2006 , 66, 6553-62	10.1	97
325	Towards measurement of the Healthy Ageing Phenotype in lifestyle-based intervention studies. <i>Maturitas</i> , 2013 , 76, 189-99	5	96
324	Sugar consumption and global prevalence of obesity and hypertension: an ecological analysis. <i>Public Health Nutrition</i> , 2014 , 17, 587-96	3.3	96
323	Prevention of type 2 diabetes in adults with impaired glucose tolerance: the European Diabetes Prevention RCT in Newcastle upon Tyne, UK. <i>BMC Public Health</i> , 2009 , 9, 342	4.1	96
322	Effect of vitamin C on endothelial function in health and disease: a systematic review and meta-analysis of randomised controlled trials. <i>Atherosclerosis</i> , 2014 , 235, 9-20	3.1	94
321	Postprandial glycaemic, lipaemic and haemostatic responses to ingestion of rapidly and slowly digested starches in healthy young women. <i>British Journal of Nutrition</i> , 2005 , 94, 948-55	3.6	94
320	Relative abundance of selenoprotein P isoforms in human plasma depends on genotype, se intake, and cancer status. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 2631-40	8.4	93
319	Diet, ageing and genetic factors in the pathogenesis of diverticular disease. <i>World Journal of Gastroenterology</i> , 2009 , 15, 2479-88	5.6	92
318	Nutrition and healthy ageing: the key ingredients. <i>Proceedings of the Nutrition Society</i> , 2014 , 73, 249-59	2.9	91
317	Assessment of a large panel of candidate biomarkers of ageing in the Newcastle 85+ study. <i>Mechanisms of Ageing and Development</i> , 2011 , 132, 496-502	5.6	90
316	Cancer prevention with aspirin in hereditary colorectal cancer (Lynch syndrome), 10-year follow-up and registry-based 20-year data in the CAPP2 study: a double-blind, randomised, placebo-controlled trial. <i>Lancet, The</i> , 2020 , 395, 1855-1863	4.0	88
315	Online dietary intake estimation: the Food4Me food frequency questionnaire. <i>Journal of Medical Internet Research</i> , 2014 , 16, e150	7.6	88
314	ZnT5 variant B is a bidirectional zinc transporter and mediates zinc uptake in human intestinal Caco-2 cells. <i>Journal of Biological Chemistry</i> , 2007 , 282, 14389-93	5.4	87
313	Clonal expansion of early to mid-life mitochondrial DNA point mutations drives mitochondrial dysfunction during human ageing. <i>PLoS Genetics</i> , 2014 , 10, e1004620	6	86
312	CD36 and SR-BI are involved in cellular uptake of provitamin A carotenoids by Caco-2 and HEK cells, and some of their genetic variants are associated with plasma concentrations of these micronutrients in humans. <i>Journal of Nutrition</i> , 2013 , 143, 448-56	4.1	85
311	Postprandial carbohydrate metabolism in healthy subjects and those with type 2 diabetes fed starches with slow and rapid hydrolysis rates determined in vitro. <i>British Journal of Nutrition</i> , 2003 , 90, 853-64	3.6	85
310	Effects of inorganic nitrate and beetroot supplementation on endothelial function: a systematic review and meta-analysis. <i>European Journal of Nutrition</i> , 2016 , 55, 451-459	5.2	82
309	Accuracy of estimates of food portion size using food photographs--the importance of using age-appropriate tools. <i>Public Health Nutrition</i> , 2006 , 9, 509-14	3.3	82

308	Importance of weight loss maintenance and risk prediction in the prevention of type 2 diabetes: analysis of European Diabetes Prevention Study RCT. <i>PLoS ONE</i> , 2013 , 8, e57143	3.7	81
307	Randomised controlled trial evaluating lifestyle interventions in people with impaired glucose tolerance. <i>Diabetes Research and Clinical Practice</i> , 2006 , 72, 117-27	7.4	79
306	Nutrigenetics-based intervention approach for adults with non-alcoholic fatty liver disease (NAFLD): study protocol for a randomised controlled feasibility trial. <i>BMJ Open</i> , 2021 , 11, e045922	3	78
305	Nutritional factors and gender influence age-related DNA methylation in the human rectal mucosa. <i>Aging Cell</i> , 2013 , 12, 148-55	9.9	74
304	Splice variants of the human zinc transporter ZnT5 (SLC30A5) are differentially localized and regulated by zinc through transcription and mRNA stability. <i>Journal of Biological Chemistry</i> , 2007 , 282, 10423-31	5.4	74
303	Association of behaviour change techniques with effectiveness of dietary interventions among adults of retirement age: a systematic review and meta-analysis of randomised controlled trials. <i>BMC Medicine</i> , 2014 , 12, 177	11.4	73
302	The features of interventions associated with long-term effectiveness of physical activity interventions in adults aged 55-70 years: a systematic review and meta-analysis. <i>Health Psychology Review</i> , 2015 , 9, 417-33	7.1	72
301	Vitamin D and SARS-CoV-2 virus/COVID-19 disease. <i>BMJ Nutrition, Prevention and Health</i> , 2020 , 3, 106-110	10.7	72
300	Proposed guidelines to evaluate scientific validity and evidence for genotype-based dietary advice. <i>Genes and Nutrition</i> , 2017 , 12, 35	4.3	72
299	Obesity, Aspirin, and Risk of Colorectal Cancer in Carriers of Hereditary Colorectal Cancer: A Prospective Investigation in the CAPP2 Study. <i>Journal of Clinical Oncology</i> , 2015 , 33, 3591-7	2.2	71
298	Supporting well-being in retirement through meaningful social roles: systematic review of intervention studies. <i>Milbank Quarterly</i> , 2013 , 91, 222-87	3.9	71
297	Global LINE-1 DNA methylation is associated with blood glycaemic and lipid profiles. <i>International Journal of Epidemiology</i> , 2012 , 41, 210-7	7.8	71
296	Long-term effect of resistant starch on cancer risk in carriers of hereditary colorectal cancer: an analysis from the CAPP2 randomised controlled trial. <i>Lancet Oncology</i> , 2012 , 13, 1242-9	21.7	70
295	Food shopping and preparation among the 30-somethings: whose job is it? (The ASH30 study). <i>British Food Journal</i> , 2006 , 108, 475-486	2.8	70
294	FTO genotype and weight loss: systematic review and meta-analysis of 9563 individual participant data from eight randomised controlled trials. <i>BMJ</i> , 2016 , 354, i4707	5.9	70
293	Comparison study of MS-HRM and pyrosequencing techniques for quantification of APC and CDKN2A gene methylation. <i>PLoS ONE</i> , 2013 , 8, e52501	3.7	67
292	Maternal folate depletion and high-fat feeding from weaning affects DNA methylation and DNA repair in brain of adult offspring. <i>FASEB Journal</i> , 2013 , 27, 3323-34	0.9	65
291	The association between retirement and age on physical activity in older adults. <i>Age and Ageing</i> , 2014 , 43, 386-93	3	65

290	Folate depletion during pregnancy and lactation reduces genomic DNA methylation in murine adult offspring. <i>Genes and Nutrition</i> , 2011 , 6, 189-96	4.3	63
289	Personalised nutrition: status and perspectives. <i>British Journal of Nutrition</i> , 2007 , 98, 26-31	3.6	61
288	Folate and DNA methylation during in utero development and aging. <i>Biochemical Society Transactions</i> , 2004 , 32, 1006-7	5.1	61
287	The effects of bariatric surgery on colorectal cancer risk: systematic review and meta-analysis. <i>Obesity Surgery</i> , 2014 , 24, 1793-9	3.7	60
286	Blood-borne biomarkers of mortality risk: systematic review of cohort studies. <i>PLoS ONE</i> , 2015 , 10, e0123750	3.5	60
285	Personalising nutritional guidance for more effective behaviour change. <i>Proceedings of the Nutrition Society</i> , 2015 , 74, 130-8	2.9	59
284	Development and validation of a standardized protocol to monitor human dietary exposure by metabolite fingerprinting of urine samples. <i>Metabolomics</i> , 2011 , 7, 469-484	4.7	59
283	Challenges of molecular nutrition research 6: the nutritional phenotype database to store, share and evaluate nutritional systems biology studies. <i>Genes and Nutrition</i> , 2010 , 5, 189-203	4.3	58
282	Epigenetics - potential contribution to fetal programming. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 646, 119-23	3.6	57
281	Randomised controlled trial evaluating the effectiveness of behavioural interventions to modify cardiovascular risk factors in men and women with impaired glucose tolerance: outcomes at 6 months. <i>Diabetes Research and Clinical Practice</i> , 2001 , 52, 29-43	7.4	55
280	The Diabetes Remission Clinical Trial (DiRECT): protocol for a cluster randomised trial. <i>BMC Family Practice</i> , 2016 , 17, 20	2.6	54
279	Changing foodscapes 1980-2000, using the ASH30 Study. <i>Appetite</i> , 2009 , 53, 157-65	4.5	54
278	The impact of common gene variants on the response of biomarkers of cardiovascular disease (CVD) risk to increased fish oil fatty acids intakes. <i>Annual Review of Nutrition</i> , 2011 , 31, 203-34	9.9	53
277	Nutritional modulation of ageing: genomic and epigenetic approaches. <i>Mechanisms of Ageing and Development</i> , 2006 , 127, 584-9	5.6	53
276	Longitudinal dietary change from adolescence to adulthood: perceptions, attributions and evidence. <i>Appetite</i> , 2004 , 42, 255-63	4.5	53
275	Effect of vitamin C and vitamin E supplementation on endothelial function: a systematic review and meta-analysis of randomised controlled trials. <i>British Journal of Nutrition</i> , 2015 , 113, 1182-94	3.6	52
274	Comparison of mitochondrial mutation spectra in ageing human colonic epithelium and disease: absence of evidence for purifying selection in somatic mitochondrial DNA point mutations. <i>PLoS Genetics</i> , 2012 , 8, e1003082	6	52
273	Assessment of dietary intake: NuGO symposium report. <i>Genes and Nutrition</i> , 2010 , 5, 205-13	4.3	52

272	Intestinal tumorigenesis in the Apc1638N mouse treated with aspirin and resistant starch for up to 5 months. <i>Carcinogenesis</i> , 1999 , 20, 805-10	4.6	51
271	Effectiveness of dietary interventions among adults of retirement age: a systematic review and meta-analysis of randomized controlled trials. <i>BMC Medicine</i> , 2014 , 12, 60	11.4	49
270	Starch digestion, large-bowel fermentation and intestinal mucosal cell proliferation in rats treated with the alpha-glucosidase inhibitor acarbose. <i>British Journal of Nutrition</i> , 2004 , 91, 357-65	3.6	49
269	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> , 2016 , 104, 288-97	9.7	49
268	Low protein intake, muscle strength and physical performance in the very old: The Newcastle 85+ Study. <i>Clinical Nutrition</i> , 2018 , 37, 2260-2270	5.9	49
267	Mediterranean diet adherence and cognitive function in older UK adults: the European Prospective Investigation into Cancer and Nutrition-Norfolk (EPIC-Norfolk) Study. <i>American Journal of Clinical Nutrition</i> , 2019 , 110, 938-948	7	48
266	Session 2: Personalised nutrition. Epigenomics: a basis for understanding individual differences?. <i>Proceedings of the Nutrition Society</i> , 2008 , 67, 390-4	2.9	48
265	Priority research questions for the UK food system. <i>Food Security</i> , 2013 , 5, 617-636	6.7	47
264	Do we know enough? A scientific and ethical analysis of the basis for genetic-based personalized nutrition. <i>Genes and Nutrition</i> , 2013 , 8, 373-81	4.3	47
263	Blood as a surrogate marker for tissue-specific DNA methylation and changes due to folate depletion in post-partum female mice. <i>Molecular Nutrition and Food Research</i> , 2011 , 55, 1026-35	5.9	47
262	Age-associated mitochondrial DNA mutations lead to small but significant changes in cell proliferation and apoptosis in human colonic crypts. <i>Aging Cell</i> , 2010 , 9, 96-9	9.9	47
261	Postnatal growth and DNA methylation are associated with differential gene expression of the TACSTD2 gene and childhood fat mass. <i>Diabetes</i> , 2012 , 61, 391-400	0.9	47
260	Healthy eating: perceptions and practice (the ASH30 study). <i>Appetite</i> , 2007 , 48, 176-82	4.5	47
259	Hepatic Lipoprotein Export and Remission of Human Type 2 Diabetes after Weight Loss. <i>Cell Metabolism</i> , 2020 , 31, 233-249.e4	24.6	47
258	Chemoprevention in Lynch syndrome. <i>Familial Cancer</i> , 2013 , 12, 707-18	3	46
257	Nutrigenomics in the modern era. <i>Proceedings of the Nutrition Society</i> , 2017 , 76, 265-275	2.9	46
256	Nutrition and ageing: knowledge, gaps and research priorities. <i>Proceedings of the Nutrition Society</i> , 2013 , 72, 246-50	2.9	46
255	Mechanisms of mammalian zinc-regulated gene expression. <i>Biochemical Society Transactions</i> , 2008 , 36, 1262-6	5.1	46

254	Defects in multiple complexes of the respiratory chain are present in ageing human colonic crypts. <i>Experimental Gerontology</i> , 2010 , 45, 573-9	4.5	43
253	Degradation of transgenic DNA from genetically modified soya and maize in human intestinal simulations. <i>British Journal of Nutrition</i> , 2002 , 87, 533-542	3.6	43
252	Nutrition in the Very Old. <i>Nutrients</i> , 2018 , 10,	6.7	42
251	Early nutrition: impact on epigenetics. <i>Forum of Nutrition</i> , 2007 , 60, 42-48		42
250	Effect of Dietary Patterns on Muscle Strength and Physical Performance in the Very Old: Findings from the Newcastle 85+ Study. <i>PLoS ONE</i> , 2016 , 11, e0149699	3.7	42
249	Integrating Evidence From Systematic Reviews, Qualitative Research, and Expert Knowledge Using Co-Design Techniques to Develop a Web-Based Intervention for People in the Retirement Transition. <i>Journal of Medical Internet Research</i> , 2016 , 18, e210	7.6	41
248	Can genetic-based advice help you lose weight? Findings from the Food4Me European randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 1204-1213	7	40
247	Associations between FTO genotype and total energy and macronutrient intake in adults: a systematic review and meta-analysis. <i>Obesity Reviews</i> , 2015 , 16, 666-78	10.6	40
246	The Micronutrient Genomics Project: a community-driven knowledge base for micronutrient research. <i>Genes and Nutrition</i> , 2010 , 5, 285-96	4.3	40
245	Consumption of Fish Oil Providing Amounts of Eicosapentaenoic Acid and Docosahexaenoic Acid That Can Be Obtained from the Diet Reduces Blood Pressure in Adults with Systolic Hypertension: A Retrospective Analysis. <i>Journal of Nutrition</i> , 2016 , 146, 516-23	4.1	39
244	Maternal folate supply and sex influence gene-specific DNA methylation in the fetal gut. <i>Molecular Nutrition and Food Research</i> , 2011 , 55, 1717-23	5.9	38
243	Pilot Randomised Controlled Trial of a Web-Based Intervention to Promote Healthy Eating, Physical Activity and Meaningful Social Connections Compared with Usual Care Control in People of Retirement Age Recruited from Workplaces. <i>PLoS ONE</i> , 2016 , 11, e0159703	3.7	38
242	Physical activity attenuates the effect of the FTO genotype on obesity traits in European adults: The Food4Me study. <i>Obesity</i> , 2016 , 24, 962-9	8	38
241	An Analytical Pipeline for Quantitative Characterization of Dietary Intake: Application To Assess Grape Intake. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 2423-31	5.7	38
240	How reliable is internet-based self-reported identity, socio-demographic and obesity measures in European adults?. <i>Genes and Nutrition</i> , 2015 , 10, 28	4.3	37
239	Tracking of dietary intake and factors associated with dietary change from early adolescence to adulthood: the ASH30 study. <i>Obesity Facts</i> , 2009 , 2, 157-65	5.1	37
238	Dietary Intervention Modifies DNA Methylation Age Assessed by the Epigenetic Clock. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1800092	5.9	37
237	Impact of nutrition on the ageing process. <i>British Journal of Nutrition</i> , 2015 , 113 Suppl, S18-22	3.6	36

236	Association between Diet-Quality Scores, Adiposity, Total Cholesterol and Markers of Nutritional Status in European Adults: Findings from the Food4Me Study. <i>Nutrients</i> , 2018 , 10,	6.7	36
235	Effecting dietary change. <i>Proceedings of the Nutrition Society</i> , 2004 , 63, 537-47	2.9	36
234	Effects of dietary patterns and low protein intake on sarcopenia risk in the very old: The Newcastle 85+ study. <i>Clinical Nutrition</i> , 2020 , 39, 166-173	5.9	36
233	Prevalence and determinants of low protein intake in very old adults: insights from the Newcastle 85+ Study. <i>European Journal of Nutrition</i> , 2018 , 57, 2713-2722	5.2	35
232	Ageing modifies the effects of beetroot juice supplementation on 24-hour blood pressure variability: An individual participant meta-analysis. <i>Nitric Oxide - Biology and Chemistry</i> , 2015 , 47, 97-105	5	35
231	Inter-individual variation in DNA damage and base excision repair in young, healthy non-smokers: effects of dietary supplementation and genotype. <i>British Journal of Nutrition</i> , 2010 , 103, 1585-93	3.6	35
230	Integrated Analytical and Statistical Two-Dimensional Spectroscopy Strategy for Metabolite Identification: Application to Dietary Biomarkers. <i>Analytical Chemistry</i> , 2017 , 89, 3300-3309	7.8	34
229	Vitamin D Status, Muscle Strength and Physical Performance Decline in Very Old Adults: A Prospective Study. <i>Nutrients</i> , 2017 , 9,	6.7	34
228	Quantification of mitochondrial DNA mutation load. <i>Aging Cell</i> , 2009 , 8, 566-72	9.9	34
227	Changes in consumption of sugars by English adolescents over 20 years. <i>Public Health Nutrition</i> , 2007 , 10, 354-63	3.3	34
226	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> , 2016 , 104, 827-36	7	34
225	Effects of vitamin D supplementation on endothelial function: a systematic review and meta-analysis of randomised clinical trials. <i>European Journal of Nutrition</i> , 2017 , 56, 1095-1104	5.2	33
224	Measuring DNA repair incision activity of mouse tissue extracts towards singlet oxygen-induced DNA damage: a comet-based in vitro repair assay. <i>Mutagenesis</i> , 2011 , 26, 461-71	2.8	33
223	Raised adolescent body mass index predicts the development of adiposity and a central distribution of body fat in adulthood: a longitudinal study. <i>Obesity Facts</i> , 2009 , 2, 150-6	5.1	33
222	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> , 2016 , 115, 202-11	3.6	33
221	Transcriptomics and proteomics show that selenium affects inflammation, cytoskeleton, and cancer pathways in human rectal biopsies. <i>FASEB Journal</i> , 2016 , 30, 2812-25	0.9	33
220	Associations of fat and carbohydrate intake with cardiovascular disease and mortality: prospective cohort study of UK Biobank participants. <i>BMJ, The</i> , 2020 , 368, m688	5.9	32
219	Early determinants of the ageing trajectory. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2012 , 26, 613-26	6.5	32

218	Bioavailability of fluoride in drinking water: a human experimental study. <i>Journal of Dental Research</i> , 2005 , 84, 989-93	8.1	32
217	Duodenal brush-border mucosal glucose transport and enzyme activities in aging man and effect of bacterial contamination of the small intestine. <i>Digestive Diseases and Sciences</i> , 1993 , 38, 403-9	4	32
216	Association of Mediterranean diet and other health behaviours with barriers to healthy eating and perceived health among British adults of retirement age. <i>Maturitas</i> , 2014 , 79, 292-8	5	31
215	Dietary exposure biomarker-lead discovery based on metabolomics analysis of urine samples. <i>Proceedings of the Nutrition Society</i> , 2013 , 72, 352-61	2.9	31
214	Inhibition of methylation decreases osteoblast differentiation via a non-DNA-dependent methylation mechanism. <i>Bone</i> , 2010 , 46, 514-23	4.7	31
213	Do age-related changes in DNA methylation play a role in the development of age-related diseases?. <i>Biochemical Society Transactions</i> , 2013 , 41, 803-7	5.1	30
212	Inter-individual variation in nucleotide excision repair in young adults: effects of age, adiposity, micronutrient supplementation and genotype. <i>British Journal of Nutrition</i> , 2009 , 101, 1316-23	3.6	30
211	Macronutrient intake and food sources in the very old: analysis of the Newcastle 85+ Study. <i>British Journal of Nutrition</i> , 2016 , 115, 2170-80	3.6	30
210	iCap: Instrumented assessment of physical capability. <i>Maturitas</i> , 2015 , 82, 116-22	5	29
209	Prevalence of adenomas and hyperplastic polyps in mismatch repair mutation carriers among CAPP2 participants: report by the colorectal adenoma/carcinoma prevention programme 2. <i>Journal of Clinical Oncology</i> , 2008 , 26, 3434-9	2.2	29
208	Zinc transporters in the mouse placenta show a coordinated regulatory response to changes in dietary zinc intake. <i>Placenta</i> , 2007 , 28, 437-44	3.4	29
207	Effects on nutrient intake of a family-based intervention to promote increased consumption of low-fat starchy foods through education, cooking skills and personalised goal setting: the Family Food and Health Project. <i>British Journal of Nutrition</i> , 2012 , 107, 1833-44	3.6	28
206	Limited evidence for a beneficial effect of vitamin C supplementation on biomarkers of cardiovascular diseases: an umbrella review of systematic reviews and meta-analyses. <i>Nutrition Research</i> , 2019 , 61, 1-12	4	28
205	Profile of European adults interested in internet-based personalised nutrition: the Food4Me study. <i>European Journal of Nutrition</i> , 2016 , 55, 759-769	5.2	27
204	Detecting translational regulation by change point analysis of ribosome profiling data sets. <i>Rna</i> , 2014 , 20, 1507-18	5.8	27
203	Folate intake and bowel cancer risk. <i>Genes and Nutrition</i> , 2009 , 4, 173-8	4.3	27
202	Identification of the human zinc transcriptional regulatory element (ZTRE): a palindromic protein-binding DNA sequence responsible for zinc-induced transcriptional repression. <i>Journal of Biological Chemistry</i> , 2012 , 287, 36567-81	5.4	27
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