# Anne M Molloy

List of Publications by Year
in descending order



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|---|---|---|---|
| 160 papers | 9,526 citations | 34105 52 h-index | 40979 93 g-index |
| 162 all docs | 162 docs citations | 162 times ranked | 8756 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Biomarkers of Nutrition for Developmentâ€"Folate Review. Journal of Nutrition, 2015, 145, 1636S-1680S. | 2.9 | 570 |
| 2 | Vitamin B12 deficiency. Nature Reviews Disease Primers, 2017, 3, 17040. | 30.5 | 543 |
| 3 | Microbiological assay for serum, plasma, and red cell folate using cryopreserved, microtiter plate method. Methods in Enzymology, 1997, 281, 43-53. | 1.0 | 371 |
| 4 | Thermolabile variant of 5, 10-methylenetetrahydrofolate reductaseassociated with low red-cell folates: implications for folate intake recommendations. Lancet, The, 1997, 349, 1591-1593. | 13.7 | 316 |
| 5 | Guidelines for the diagnosis and treatment of cobalamin and folate disorders. British Journal of Haematology, 2014, 166, 496-513. | 2.5 | 306 |
| 6 | Maternal plasma folate and vitamin B12 are independent risk factors for neural tube defects. The Quarterly Journal of Medicine, 1993, 86, 703-8. | 1.0 | 261 |
| 7 | Minimum effective dose of folic acid for food fortification to prevent neural-tube defects. Lancet, The, 1997, 350, 1666-1669. | 13.7 | 255 |
| 8 | Maternal Vitamin B12 Status and Risk of Neural Tube Defects in a Population With High Neural Tube Defect Prevalence and No Folic Acid Fortification. Pediatrics, 2009, 123, 917-923. | 2.1 | 248 |
| 9 | Effects of Folate and Vitamin B<sub>12</sub> Deficiencies During Pregnancy on Fetal, Infant, and Child Development. Food and Nutrition Bulletin, 2008, 29, S101-S111. | 1.4 | 245 |
| 10 | The â€œThermolabileâ€•Variant of Methylenetetrahydrofolate Reductase and Neural Tube Defects: An Evaluation of Genetic Risk and the Relative Importance of the Genotypes of the Embryo and the Mother. American Journal of Human Genetics, 1999, 64, 1045-1055. | 6.2 | 219 |
| 11 | A Polymorphism, R653Q, in the Trifunctional Enzyme Methylenetetrahydrofolate Dehydrogenase/Methenyltetrahydrofolate Cyclohydrolase/Formyltetrahydrofolate Synthetase Is a Maternal Genetic Risk Factor for Neural Tube Defects: Report of the Birth Defects Research Group. American Journal of Human Genetics, 2002, 71, 1207-1215. | 6.2 | 217 |
| 12 | MTRR and MTHFR polymorphism: Link to Down syndrome?. American Journal of Medical Genetics Part A, 2002, 107, 151-155. | 2.4 | 177 |
| 13 | Low vitamin B-12 status and risk of cognitive decline in older adults. American Journal of Clinical Nutrition, 2007, 86, 1384-1391. | 4.7 | 171 |
| 14 | Vitamin D Deficiency Is Associated With Inflammation in Older Irish Adults. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 1807-1815. | 3.6 | 163 |
| 15 | Riboflavin Lowers Homocysteine in Individuals Homozygous for theMTHFR677Câ†'T Polymorphism. Circulation, 2006, 113, 74-80. | 1.6 | 161 |
| 16 | Biomarkers of vitamin B-12 status in NHANES: a roundtable summary. American Journal of Clinical Nutrition, 2011, 94, 313S-321S. | 4.7 | 157 |
| 17 | Population red blood cell folate concentrations for prevention of neural tube defects: bayesian model. BMJ, The, 2014, 349, g4554-g4554. | 6.0 | 153 |
| 18 | Elevated plasma homocysteine in early pregnancy: A risk factor for the development of severe preeclampsia. American Journal of Obstetrics and Gynecology, 2001, 185, 781-785. | 1.3 | 142 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Methylenetetrahydrofolate reductase thermolabile variant and oral clefts. American Journal of Medical Genetics Part A, 1999, 86, 71-74. | 2.4 | 125 |
| 20 | Maternal Homocysteine before Conception and throughout Pregnancy Predicts Fetal Homocysteine and Birth Weight. Clinical Chemistry, 2004, 50, 1406-1412. | 3.2 | 123 |
| 21 | A genetic defect in 5,10 methylenetetrahydrofolate reductase in neural tube defects. QJM - Monthly Journal of the Association of Physicians, 1995, 88, 763-6. | 0.5 | 112 |
| 22 | Impact of the MTHFR C677T polymorphism on risk of neural tube defects: case-control study. BMJ: British Medical Journal, 2004, 328, 1535-1536. | 2.3 | 111 |
| 23 | Detection of Vitamin B12 Deficiency in Older People by Measuring Vitamin B12 or the Active Fraction of Vitamin B12, Holotranscobalamin. Clinical Chemistry, 2007, 53, 963-970. | 3.2 | 111 |
| 24 | Diagnostic Accuracy of Holotranscobalamin, Methylmalonic Acid, Serum Cobalamin, and Other Indicators of Tissue Vitamin B12 Status in the Elderly. Clinical Chemistry, 2011, 57, 856-863. | 3.2 | 105 |
| 25 | Biomarkers of folate status in NHANES: a roundtable summary. American Journal of Clinical Nutrition, 2011, 94, 303S-312S. | 4.7 | 104 |
| 26 | Knowledge gaps in understanding the metabolic and clinical effects of excess folates/folic acid: a summary, and perspectives, from an NIH workshop. American Journal of Clinical Nutrition, 2020, 112, 1390-1403. | 4.7 | 95 |
| 27 | Effects of prenatal fish-oil and 5-methyltetrahydrofolate supplementation on cognitive development of children at 6.5 y of age. American Journal of Clinical Nutrition, 2011, 94, S1880-S1888. | 4.7 | 93 |
| 28 | Confirmation of the R653Q polymorphism of the trifunctional C1-synthase enzyme as a maternal risk for neural tube defects in the Irish population. European Journal of Human Genetics, 2006, 14, 768-772. | 2.8 | 92 |
| 29 | Longitudinal Study of the Effect of Pregnancy on Maternal and Fetal Cobalamin Status in Healthy Women and Their Offspring. Journal of Nutrition, 2007, 137, 1863-1867. | 2.9 | 92 |
| 30 | Folates and prevention of disease. Public Health Nutrition, 2001, 4, 601-609. | 2.2 | 90 |
| 31 | Choline and homocysteine interrelations in umbilical cord and maternal plasma at delivery. American Journal of Clinical Nutrition, 2005, 82, 836-842. | 4.7 | 87 |
| 32 | Linkage analysis identifies a locus for plasma von Willebrand factor undetected by genome-wide association. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 588-593. | 7.1 | 85 |
| 33 | Effect of a voluntary food fortification policy on folate, related B vitamin status, and homocysteine in healthy adults. American Journal of Clinical Nutrition, 2007, 86, 1405-1413. | 4.7 | 83 |
| 34 | Maternal and fetal plasma homocysteine concentrations at birth: The influence of folate, vitamin B12, and the 5,10-methylenetetrahydrofolate reductase 677Câ†'T variant. American Journal of Obstetrics and Gynecology, 2002, 186, 499-503. | 1.3 | 80 |
| 35 | Maternal serum folate and vitamin B12 concentrations in pregnancies associated with neural tube defects.. Archives of Disease in Childhood, 1985, 60, 660-665. | 1.9 | 79 |
| 36 | Low blood folates in NTD pregnancies are only partly explained by thermolabile 5,10-methylenetetrahydrofolate reductase: Low folate status alone may be the critical factor. American Journal of Medical Genetics Part A, 1998, 78, 155-159. | 2.4 | 79 |

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|---|---|---|---|
| 37 | Folateâ€related gene polymorphisms as risk factors for cleft lip and cleft palate. Birth Defects Research Part A: Clinical and Molecular Teratology, 2008, 82, 636-643. | 1.6 | 76 |
| 38 | The search for genetic polymorphisms in the homocysteine/folate pathway that contribute to the etiology of human neural tube defects. Birth Defects Research Part A: Clinical and Molecular Teratology, 2009, 85, 285-294. | 1.6 | 74 |
| 39 | The Prevalence of Vitamin D Deficiency and the Determinants of 25(OH)D Concentration in Older Irish Adults: Data From The Irish Longitudinal Study on Ageing (TILDA). Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 519-525. | 3.6 | 73 |
| 40 | Determining bioavailability of food folates in a controlled intervention study. American Journal of Clinical Nutrition, 2004, 80, 911-918. | 4.7 | 72 |
| 41 | Evaluation of common genetic variants in 82 candidate genes as risk factors for neural tube defects. BMC Medical Genetics, 2012, 13, 62. | 2.1 | 66 |
| 42 | Bioinformatic and Genetic Association Analysis of MicroRNA Target Sites in One-Carbon Metabolism Genes. PLoS ONE, 2011, 6, e21851. | 2.5 | 65 |
| 43 | Elevated plasma homocysteine in early pregnancy: a risk factor for the development of nonsevere preeclampsia. American Journal of Obstetrics and Gynecology, 2003, 189, 391-394. | 1.3 | 63 |
| 44 | Impact of voluntary fortification and supplement use on dietary intakes and biomarker status of folate and vitamin B-12 in Irish adults. American Journal of Clinical Nutrition, 2015, 101, 1163-1172. | 4.7 | 61 |
| 45 | Women's compliance with current folic acid recommendations and achievement of optimal vitamin status for preventing neural tube defects. Human Reproduction, 2011, 26, 1530-1536. | 0.9 | 60 |
| 46 | B-Vitamin Intake and Biomarker Status in Relation to Cognitive Decline in Healthy Older Adults in a 4-Year Follow-Up Study. Nutrients, 2017, 9, 53. | 4.1 | 58 |
| 47 | Analysis of the MTHFR 1298Aâ†'C and 677Câ†'T polymorphisms as risk factors for neural tube defects. Journal of Human Genetics, 2003, 48, 190-193. | 2.3 | 57 |
| 48 | Analysis of methionine synthase reductase polymorphisms for neural tube defects risk association. Molecular Genetics and Metabolism, 2005, 85, 220-227. | 1.1 | 57 |
| 49 | The 19-bp deletion polymorphism in intron-1 of dihydrofolate reductase (DHFR) may decrease rather than increase risk for spina bifida in the Irish population. American Journal of Medical Genetics, Part A, 2007, 143A, 1174-1180. | 1.2 | 57 |
| 50 | A dose-finding trial of the effect of long-term folic acid intervention: implications for food fortification policy. American Journal of Clinical Nutrition, 2011, 93, 11-18. | 4.7 | 54 |
| 51 | Whole-Blood Folate Values in Subjects with Different Methylenetetrahydrofolate Reductase Genotypes: Differences Between the Radioassay and Microbiological Assays. Clinical Chemistry, 1998, 44, 186-188. | 3.2 | 53 |
| 52 | r2VIM: A new variable selection method for random forests in genome-wide association studies. BioData Mining, 2016, 9, 7. | 4.0 | 53 |
| 53 | Greater yogurt consumption is associated with increased bone mineral density and physical function in older adults. Osteoporosis International, 2017, 28, 2409-2419. | 3.1 | 53 |
| 54 | A polymorphism in the MTHFD1 gene increases a motherâ€™s risk of having an unexplained second trimester pregnancy loss. Molecular Human Reproduction, 2005, 11, 477-480. | 2.8 | 52 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Folate and vitamin B<sub>12</sub>status in relation to cognitive impairment and anaemia in the setting of voluntary fortification in the UK. British Journal of Nutrition, 2008, 100, 1054-1059. | 2.3 | 52 |
| 56 | MTHFD1 R653Q polymorphism is a maternal genetic risk factor for severe abruptio placentae. American Journal of Medical Genetics, Part A, 2005, 132A, 365-368. | 1.2 | 49 |
| 57 | The MTHFR 1298CC and 677TT genotypes have opposite associations with red cell folate levels. Molecular Genetics and Metabolism, 2006, 88, 290-294. | 1.1 | 49 |
| 58 | Should vitamin B<sub>12</sub> status be considered in assessing risk of neural tube defects?. Annals of the New York Academy of Sciences, 2018, 1414, 109-125. | 3.8 | 48 |
| 59 | Hyperglycemia and Metformin Use Are Associated With B Vitamin Deficiency and Cognitive Dysfunction in Older Adults. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 4837-4847. | 3.6 | 46 |
| 60 | Ambient UVB Dose and Sun Enjoyment Are Important Predictors of Vitamin D Status in an Older Population. Journal of Nutrition, 2017, 147, 858-868. | 2.9 | 44 |
| 61 | Folate status and neural tube defects. BioFactors, 1999, 10, 291-294. | 5.4 | 43 |
| 62 | Reduced folate carrier polymorphisms and neural tube defect risk. Molecular Genetics and Metabolism, 2006, 87, 364-369. | 1.1 | 43 |
| 63 | 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 |
| 64 | A Common Polymorphism in HIBCH Influences Methylmalonic Acid Concentrations in Blood Independently of Cobalamin. American Journal of Human Genetics, 2016, 98, 869-882. | 6.2 | 43 |
| 65 | Effect of continued folic acid supplementation beyond the first trimester of pregnancy on cognitive performance in the child: a follow-up study from a randomized controlled trial (FASSTT Offspring) Tj ETQq1 1 0.784314 rgBT /Overloc | 5.1 | 43 |
| 66 | A new high performance liquid chromatographic method for the simultaneous measurement ofS-adenosylmethionine andS-adenosylhomocysteine concentrations in pig tissues after inactivation of methionine synthase by nitrous oxide. Biomedical Chromatography, 1990, 4, 257-260. | 1.7 | 42 |
| 67 | Homocysteine concentration, related B vitamins, and betaine in pregnant women recruited to the Seychelles Child Development Study. American Journal of Clinical Nutrition, 2008, 87, 391-397. | 4.7 | 42 |
| 68 | Determinants of 25-hydroxyvitamin D in older Irish adults. Age and Ageing, 2015, 44, 847-853. | 1.6 | 42 |
| 69 | Effect of Areaâ€Level Socioeconomic Deprivation on Risk of Cognitive Dysfunction in Older Adults. Journal of the American Geriatrics Society, 2018, 66, 1269-1275. | 2.6 | 42 |
| 70 | Transcobalamin II receptor polymorphisms are associated with increased risk for neural tube defects. Journal of Medical Genetics, 2010, 47, 677-685. | 3.2 | 40 |
| 71 | B-vitamins in Relation to Depression in Older Adults Over 60ÂYears of Age: The Trinity Ulster Department of Agriculture (TUDA) Cohort Study. Journal of the American Medical Directors Association, 2019, 20, 551-557.e1. | 2.5 | 40 |
| 72 | Evaluation of 64 candidate single nucleotide polymorphisms as risk factors for neural tube defects in a large Irish study population. American Journal of Medical Genetics, Part A, 2011, 155, 14-21. | 1.2 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Genetic Risk Factors for Folate-Responsive Neural Tube Defects. Annual Review of Nutrition, 2017, 37, 269-291. | 10.1 | 38 |
| 74 | 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 |
| 75 | Lack of Association between Folate-Receptor Autoantibodies and Neural-Tube Defects. New England Journal of Medicine, 2009, 361, 152-160. | 27.0 | 36 |
| 76 | Genetic Aspects of Folate Metabolism. Sub-Cellular Biochemistry, 2012, 56, 105-130. | 2.4 | 36 |
| 77 | Folate Bioavailability and Health. International Journal for Vitamin and Nutrition Research, 2002, 72, 46-52. | 1.5 | 33 |
| 78 | Formate can differentiate between hyperhomocysteinemia due to impaired remethylation and impaired transsulfuration. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E61-E67. | 3.5 | 33 |
| 79 | Voluntary fortification is ineffective to maintain the vitamin B<sub>12</sub>and folate status of older Irish adults: evidence from the Irish Longitudinal Study on Ageing (TILDA). British Journal of Nutrition, 2018, 120, 111-120. | 2.3 | 33 |
| 80 | Folate and homocysteine interrelationships including genetics of the relevant enzymes. Current Opinion in Lipidology, 2004, 15, 49-57. | 2.7 | 31 |
| 81 | Common Polymorphisms That Affect Folate Transport or Metabolism Modify the Effect of the MTHFR 677C > T Polymorphism on Folate Status. Journal of Nutrition, 2016, 146, 1-8. | 2.9 | 31 |
| 82 | Evidence from a Randomized Trial That Exposure to Supplemental Folic Acid at Recommended Levels during Pregnancy Does Not Lead to Increased Unmetabolized Folic Acid Concentrations in Maternal or Cord Blood. Journal of Nutrition, 2016, 146, 494-500. | 2.9 | 30 |
| 83 | Folate and vitamin B12 levels in early pregnancy and maternal obesity. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2018, 231, 80-84. | 1.1 | 30 |
| 84 | Evaluation of transcobalamin II polymorphisms as neural tube defect risk factors in an Irish population. Birth Defects Research Part A: Clinical and Molecular Teratology, 2005, 73, 239-244. | 1.6 | 29 |
| 85 | The Irish DNA Atlas: Revealing Fine-Scale Population Structure and History within Ireland. Scientific Reports, 2017, 7, 17199. | 3.3 | 29 |
| 86 | Effects of maternal folic acid supplementation during the second and third trimesters of pregnancy on neurocognitive development in the child: an 11-year follow-up from a randomised controlled trial. BMC Medicine, 2021, 19, 73. | 5.5 | 29 |
| 87 | Riboflavin status modifies the effects of methylenetetrahydrofolate reductase (MTHFR) and methionine synthase reductase (MTRR) polymorphisms on homocysteine. Genes and Nutrition, 2014, 9, 435. | 2.5 | 28 |
| 88 | Methionine Synthase: High-Resolution Mapping of the Human Gene and Evaluation as a Candidate Locus for Neural Tube Defects. Molecular Genetics and Metabolism, 1999, 67, 324-333. | 1.1 | 27 |
| 89 | The Methylenetetrahydrofolate Reductase (MTHFR) Gene in Colorectal Cancer : Role in Tumor Development and Significance of Allelic Loss in Tumor Progression. International Journal of Gastrointestinal Cancer, 2001, 30, 105-112. | 0.4 | 27 |
| 90 | Do the benefits of folic acid fortification outweigh the risk of masking vitamin B<sub>12</sub>deficiency?. BMJ: British Medical Journal, 2018, 360, k724. | 2.3 | 27 |

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|---|---|---|---|
| 91 | Maternal choline concentrations during pregnancy and choline-related genetic variants as risk factors for neural tube defects. American Journal of Clinical Nutrition, 2014, 100, 1069-1074. | 4.7 | 26 |
| 92 | Microvascular disease and dementia in the elderly: are they related to hyperhomocysteinemia?. American Journal of Clinical Nutrition, 2000, 71, 859-860. | 4.7 | 24 |
| 93 | Analysis of the human folate receptor Î² gene for an association with neural tube defects. Molecular Genetics and Metabolism, 2003, 79, 129-133. | 1.1 | 23 |
| 94 | The relationship between the activity of methionine synthase and the ratio of S-adenosylmethionine to S-adenosylhomocysteine in the brain and other tissues of the pig. Biochemical Pharmacology, 1992, 44, 1349-1355. | 4.4 | 22 |
| 95 | Low-dose folic acid lowers plasma homocysteine levels in women of child-bearing age. QJM - Monthly Journal of the Association of Physicians, 2002, 95, 733-740. | 0.5 | 22 |
| 96 | Associations of atrophic gastritis and proton-pump inhibitor drug use with vitamin B-12 status, and the impact of fortified foods, in older adults. American Journal of Clinical Nutrition, 2021, 114, 1286-1294. | 4.7 | 22 |
| 97 | Screening for newMTHFR polymorphisms and NTD risk. American Journal of Medical Genetics, Part A, 2005, 138A, 99-106. | 1.2 | 21 |
| 98 | The Frontal Assessment Battery. Journal of Geriatric Psychiatry and Neurology, 2016, 29, 338-343. | 2.3 | 21 |
| 99 | The relationship between adiposity and cognitive function in a large community-dwelling population: data from the Trinity Ulster Department of Agriculture (TUDA) ageing cohort study. British Journal of Nutrition, 2018, 120, 517-527. | 2.3 | 21 |
| 100 | Genetic variants in PLG, LPA, and SIGLEC 14 as well as smoking contribute to plasma plasminogen levels. Blood, 2014, 124, 3155-3164. | 1.4 | 20 |
| 101 | Folic Acid Supplementation in Postpolypectomy Patients in a Randomized Controlled Trial Increases Tissue Folate Concentrations and Reduces Aberrant DNA Biomarkers in Colonic Tissues Adjacent to the Former Polyp Site. Journal of Nutrition, 2016, 146, 933-939. | 2.9 | 20 |
| 102 | Low blood folates in NTD pregnancies are only partly explained by thermolabile 5,10-methylenetetrahydrofolate reductase: low folate status alone may be the critical factor. American Journal of Medical Genetics Part A, 1998, 78, 155-9. | 2.4 | 20 |
| 103 | Common Variants at Putative Regulatory Sites of the Tissue Nonspecific Alkaline Phosphatase Gene Influence Circulating Pyridoxal 5â€²-Phosphate Concentration in Healthy Adults. Journal of Nutrition, 2015, 145, 1386-1393. | 2.9 | 19 |
| 104 | Construction of a high resolution linkage disequilibrium map to evaluate common genetic variation inTP53and neural tube defect risk in an Irish population. American Journal of Medical Genetics, Part A, 2008, 146A, 2617-2625. | 1.2 | 18 |
| 105 | The 677Câ†'T variant of MTHFR is the major genetic modifier of biomarkers of folate status in a young, healthy Irish population. American Journal of Clinical Nutrition, 2018, 108, 1334-1341. | 4.7 | 18 |
| 106 | Serum Immune System Biomarkers Neopterin and Interleukin-10 Are Strongly Related to Tryptophan Metabolism in Healthy Young Adults. Journal of Nutrition, 2016, 146, 1801-1806. | 2.9 | 17 |
| 107 | The FUT2 secretor variant p.Trp154Ter influences serum vitamin B12 concentration via holo-haptocorrin, but not holo-transcobalamin, and is associated with haptocorrin glycosylation. Human Molecular Genetics, 2017, 26, 4975-4988. | 2.9 | 16 |
| 108 | Mice lacking the transcobalamin-vitamin B12 receptor, CD320, suffer from anemia and reproductive deficits when fed vitamin B12-deficient diet. Human Molecular Genetics, 2018, 27, 3627-3640. | 2.9 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Impact of the common MTHFR 677Câ†'T polymorphism on blood pressure in adulthood and role of riboflavin in modifying the genetic risk of hypertension: evidence from the JINGO project. BMC Medicine, 2020, 18, 318. | 5.5 | 15 |
| 110 | Maternal folate, vitamin B12 and homocysteine levels in pregnancies affected by congenital malformations other than neural tube defects. Birth Defects Research Part A: Clinical and Molecular Teratology, 2011, 91, 610-615. | 1.6 | 14 |
| 111 | Plasma concentrations of vitamin B<sub>12</sub> and folate and global cognitive function in an older population: cross-sectional findings from The Irish Longitudinal Study on Ageing (TILDA). British Journal of Nutrition, 2020, 124, 602-610. | 2.3 | 14 |
| 112 | Is impaired folate absorption a factor in neural tube defects?. American Journal of Clinical Nutrition, 2000, 72, 3-4. | 4.7 | 13 |
| 113 | Postprandial plasma betaine and other methyl donor-related responses after consumption of minimally processed wheat bran or wheat aleurone, or wheat aleurone incorporated into bread. British Journal of Nutrition, 2015, 113, 445-453. | 2.3 | 13 |
| 114 | Genomeâ€wide studies of von Willebrand factor propeptide identify loci contributing to variation in propeptide levels and von Willebrand factor clearance. Journal of Thrombosis and Haemostasis, 2016, 14, 1888-1898. | 3.8 | 13 |
| 115 | Replication and exploratory analysis of 24 candidate risk polymorphisms for neural tube defects. BMC Medical Genetics, 2014, 15, 102. | 2.1 | 11 |
| 116 | The genetic landscape of polycystic kidney disease in Ireland. European Journal of Human Genetics, 2021, 29, 827-838. | 2.8 | 11 |
| 117 | Is low iron status a risk factor for neural tube defects?. Birth Defects Research Part A: Clinical and Molecular Teratology, 2014, 100, 100-106. | 1.6 | 10 |
| 118 | Association of a transcobalamin II genetic variant with falsely low results for the holotranscobalamin immunoassay. European Journal of Clinical Investigation, 2016, 46, 434-439. | 3.4 | 10 |
| 119 | Optimization of folic acid supplementation in the prevention of neural tube defects. Journal of Public Health, 2017, 40, 1-8. | 1.8 | 10 |
| 120 | Synthetic folic acid intakes and status in children living in Ireland exposed to voluntary fortification. American Journal of Clinical Nutrition, 2016, 103, 512-518. | 4.7 | 9 |
| 121 | Vitamin D Status Is Not Associated With Orthostatic Hypotension in Older Adults. Hypertension, 2019, 74, 639-644. | 2.7 | 9 |
| 122 | Genetic Variation and Nutritional Requirements. , 2004, 93, 153-163. | | 8 |
| 123 | Low vitamin B<sub>12</sub> but not folate is associated with incident depressive symptoms in community-dwelling older adults: a 4-year longitudinal study. British Journal of Nutrition, 2023, 130, 268-275. | 2.3 | 8 |
| 124 | Evaluation of protonâ€coupled folate transporter (SLC46A1) polymorphisms as risk factors for neural tube defects and oral clefts. American Journal of Medical Genetics, Part A, 2016, 170, 1007-1016. | 1.2 | 7 |
| 125 | Long-Chain Polyunsaturated Fatty Acids, Homocysteine at Birth and Fatty Acid Desaturase Gene Cluster Polymorphisms Are Associated with Childrenâ€™s Processing Speed up to Age 9 Years. Nutrients, 2021, 13, 131. | 4.1 | 7 |
| 126 | Low folate predicts accelerated cognitive decline: 8-year follow-up of 3140 older adults in Ireland. European Journal of Clinical Nutrition, 2022, 76, 950-957. | 2.9 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Polymorphisms within the vitamin B12 dependent methylmalonyl-coA mutase are not risk factors for neural tube defects. Molecular Genetics and Metabolism, 2003, 80, 463-468. | 1.1 | 6 |
| 128 | The Dihydrofolate Reductase 19 bp Polymorphism Is Not Associated with Biomarkers of Folate Status in Healthy Young Adults, Irrespective of Folic Acid Intake. Journal of Nutrition, 2015, 145, 2207-2211. | 2.9 | 6 |
| 129 | The impact of common genetic variants in the mitochondrial glycine cleavage system on relevant metabolites. Molecular Genetics and Metabolism Reports, 2018, 16, 20-22. | 1.1 | 6 |
| 130 | The relationship between maternal plasma homocysteine in early pregnancy and birth weight. Journal of Maternal-Fetal and Neonatal Medicine, 2020, 33, 3045-3049. | 1.5 | 6 |
| 131 | Adverse effects on cognition caused by combined low vitamin B-12 and high folate statusâ€"we must do better than a definite maybe!. American Journal of Clinical Nutrition, 2020, 112, 1422-1423. | 4.7 | 6 |
| 132 | Identifying Key Predictors of Cognitive Dysfunction in Older People Using Supervised Machine Learning Techniques: Observational Study. JMIR Medical Informatics, 2020, 8, e20995. | 2.6 | 6 |
| 133 | Lifestyle, metabolite, and genetic determinants of formate concentrations in a cross-sectional study in young, healthy adults. American Journal of Clinical Nutrition, 2018, 107, 345-354. | 4.7 | 5 |
| 134 | Phenylâ€Î³â€valerolactones and healthy ageing: Linking dietary factors, nutrient biomarkers, metabolic status and inflammation with cognition in older adults (the VALID project). Nutrition Bulletin, 2020, 45, 415-423. | 1.8 | 5 |
| 135 | Vitamin D and Hospital Admission in Older Adults: A Prospective Association. Nutrients, 2021, 13, 616. | 4.1 | 5 |
| 136 | Role of Genetic Variation in Establishing Nutritional Requirements: Folate, a Case in Point. , 2001, 89, 68-75. | | 4 |
| 137 | Comparison at the first prenatal visit of the maternal dietary intakes of smokers with non-smokers in a large maternity hospital: a cross-sectional study. BMJ Open, 2018, 8, e021721. | 1.9 | 4 |
| 138 | Longâ€term anticholinergic, benzodiazepine and Zâ€drug use in communityâ€dwelling older adults: What is the impact on cognitive and neuropsychological performance?. International Journal of Geriatric Psychiatry, 2021, 36, 1767-1777. | 2.7 | 4 |
| 139 | Evaluation of the uptake of bioactive components from wheat-bran and wheat-aleurone fractions in healthy adults. Proceedings of the Nutrition Society, 2008, 67, . | 1.0 | 3 |
| 140 | Papers from the 7th International Neural Tube Defects Conference. Birth Defects Research Part A: Clinical and Molecular Teratology, 2012, 94, 747-748. | 1.6 | 3 |
| 141 | Effect of folic acid supplementation during pregnancy on cognitive development of the child at 6 years: preliminary results from the FASSTT Offspring Trial. Proceedings of the Nutrition Society, 2014, 73, . | 1.0 | 3 |
| 142 | Fortifying food with folic acid to prevent neural tube defects: are we now where we ought to be?. American Journal of Clinical Nutrition, 2018, 107, 857-858. | 4.7 | 3 |
| 143 | Response to Letter Regarding Article, â€œRiboflavin Lowers Homocysteine in Individuals Homozygous for the MTHFR 677Câ†'T Polymorphismâ€. Circulation, 2006, 114, . | 1.6 | 2 |
| 144 | Assessing the genetic association between vitamin B6 metabolism and genetic generalized epilepsy. Molecular Genetics and Metabolism Reports, 2019, 21, 100518. | 1.1 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | A dihydrofolate reductase 2 (<scp>DHFR2</scp>) variant is associated with risk of neural tube defects in an Irish cohort but not in a United Kingdom cohort. American Journal of Medical Genetics, Part A, 2021, 185, 1307-1311. | 1.2 | 2 |
| 146 | Folic Acid and Infant Allergy: Avoiding Rash Judgments. Journal of Nutrition, 2021, 151, 1367-1368. | 2.9 | 2 |
| 147 | Lowering the risk of autism spectrum disorder with folic acid: can there be too much of a good thing?. American Journal of Clinical Nutrition, 2022, 115, 1268-1269. | 4.7 | 2 |
| 148 | Reply to SW Dâ€™Souza et al. American Journal of Clinical Nutrition, 2013, 98, 1598-1599. | 4.7 | 1 |
| 149 | 260The Impact of Area Based Socioeconomic Deprivation on Osteoporosis. Age and Ageing, 2018, 47, v1-v12. | 1.6 | 1 |
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