

Per Magne Ueland

List of Publications by Citations

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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.

584
papers

36,641
citations

91
h-index

172
g-index

600
ext. papers

40,456
ext. citations

6.1
avg, IF

7.06
L-index

#	Paper	IF	Citations
584	Homocysteine and cardiovascular disease. <i>Annual Review of Medicine</i> , 1998 , 49, 31-62	17.4	1691
583	Plasma homocysteine levels and mortality in patients with coronary artery disease. <i>New England Journal of Medicine</i> , 1997 , 337, 230-6	59.2	1432
582	Folate, vitamin B12, and serum total homocysteine levels in confirmed Alzheimer disease. <i>Archives of Neurology</i> , 1998 , 55, 1449-55		1189
581	Plasma homocysteine as a risk factor for vascular disease. The European Concerted Action Project. <i>JAMA - Journal of the American Medical Association</i> , 1997 , 277, 1775-1781	27.4	1153
580	Homocysteine lowering and cardiovascular events after acute myocardial infarction. <i>New England Journal of Medicine</i> , 2006 , 354, 1578-88	59.2	1058
579	Facts and recommendations about total homocysteine determinations: an expert opinion. <i>Clinical Chemistry</i> , 2004 , 50, 3-32	5.5	805
578	Prospective study of serum total homocysteine concentration and risk of stroke in middle-aged British men. <i>Lancet, The</i> , 1995 , 346, 1395-8	40	728
577	Folic acid for the prevention of colorectal adenomas: a randomized clinical trial. <i>JAMA - Journal of the American Medical Association</i> , 2007 , 297, 2351-9	27.4	687
576	Total plasma homocysteine and cardiovascular risk profile. The Hordaland Homocysteine Study. <i>JAMA - Journal of the American Medical Association</i> , 1995 , 274, 1526-33	27.4	559
575	450K epigenome-wide scan identifies differential DNA methylation in newborns related to maternal smoking during pregnancy. <i>Environmental Health Perspectives</i> , 2012 , 120, 1425-31	8.4	547
574	Serum total homocysteine and coronary heart disease. <i>International Journal of Epidemiology</i> , 1995 , 24, 704-9	7.8	542
573	Determination of the in vivo redox status of cysteine, cysteinylglycine, homocysteine, and glutathione in human plasma. <i>Analytical Biochemistry</i> , 1992 , 200, 218-29	3.1	454
572	Plasma total homocysteine, pregnancy complications, and adverse pregnancy outcomes: the Hordaland Homocysteine study. <i>American Journal of Clinical Nutrition</i> , 2000 , 71, 962-8	7	429
571	Biological and clinical implications of the MTHFR C677T polymorphism. <i>Trends in Pharmacological Sciences</i> , 2001 , 22, 195-201	13.2	411
570	Low circulating folate and vitamin B6 concentrations: risk factors for stroke, peripheral vascular disease, and coronary artery disease. European COMAC Group. <i>Circulation</i> , 1998 , 97, 437-43	16.7	406
569	The controversy over homocysteine and cardiovascular risk. <i>American Journal of Clinical Nutrition</i> , 2000 , 72, 324-32	7	394
568	Major lifestyle determinants of plasma total homocysteine distribution: the Hordaland Homocysteine Study. <i>American Journal of Clinical Nutrition</i> , 1998 , 67, 263-70	7	344

567	The Hordaland Homocysteine Study: a community-based study of homocysteine, its determinants, and associations with disease. <i>Journal of Nutrition</i> , 2006 , 136, 1731S-1740S	4.1	330
566	Choline and betaine in health and disease. <i>Journal of Inherited Metabolic Disease</i> , 2011 , 34, 3-15	5.4	313
565	Mortality and cardiovascular events in patients treated with homocysteine-lowering B vitamins after coronary angiography: a randomized controlled trial. <i>JAMA - Journal of the American Medical Association</i> , 2008 , 300, 795-804	27.4	303
564	Vitamin B deficiency. <i>Nature Reviews Disease Primers</i> , 2017 , 3, 17040	51.1	287
563	Hyperhomocysteinemia and elevated methylmalonic acid indicate a high prevalence of cobalamin deficiency in Asian Indians. <i>American Journal of Clinical Nutrition</i> , 2001 , 74, 233-41	7	277
562	Cancer incidence and mortality after treatment with folic acid and vitamin B12. <i>JAMA - Journal of the American Medical Association</i> , 2009 , 302, 2119-26	27.4	271
561	Folate, vitamin B12, homocysteine, and the MTHFR 677C->T polymorphism in anxiety and depression: the Hordaland Homocysteine Study. <i>Archives of General Psychiatry</i> , 2003 , 60, 618-26		264
560	Biomarkers of Nutrition for Development-Folate Review. <i>Journal of Nutrition</i> , 2015 , 145, 1636S-1680S	4.1	245
559	Plasma total homocysteine and cysteine in relation to glomerular filtration rate in diabetes mellitus. <i>Kidney International</i> , 1999 , 55, 1028-35	9.9	244
558	Determination of choline, betaine, and dimethylglycine in plasma by a high-throughput method based on normal-phase chromatography-tandem mass spectrometry. <i>Clinical Chemistry</i> , 2003 , 49, 286-94	5.5	243
557	Effects of folic acid supplementation on overall and site-specific cancer incidence during the randomised trials: meta-analyses of data on 50,000 individuals. <i>Lancet, The</i> , 2013 , 381, 1029-36	4.0	233
556	Vitamin B12 and folate deficiency in later life. <i>Age and Ageing</i> , 2004 , 33, 34-41	3	232
555	Quantitative profiling of biomarkers related to B-vitamin status, tryptophan metabolism and inflammation in human plasma by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 1371-9	2.2	229
554	Plasma homocysteine concentrations and risk of coronary heart disease in UK Indian Asian and European men. <i>Lancet, The</i> , 2000 , 355, 523-7	4.0	210
553	Improved vascular endothelial function after oral B vitamins: An effect mediated through reduced concentrations of free plasma homocysteine. <i>Circulation</i> , 2000 , 102, 2479-83	16.7	209
552	Total homocysteine and cardiovascular disease. <i>Journal of Internal Medicine</i> , 1999 , 246, 425-54	10.8	198
551	Riboflavin as a Determinant of Plasma Total Homocysteine: Effect Modification by the Methylenetetrahydrofolate Reductase C677T Polymorphism. <i>Clinical Chemistry</i> , 2000 , 46, 1065-1071	5.5	196
550	Plasma total cysteine as a risk factor for vascular disease: The European Concerted Action Project. <i>Circulation</i> , 2001 , 103, 2544-9	16.7	187

549	Redox status and protein binding of plasma homocysteine and other aminothiols in patients with early-onset peripheral vascular disease. Homocysteine and peripheral vascular disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1995 , 15, 232-40	9.4	186
548	Kinetic basis of hyperhomocysteinemia in patients with chronic renal failure. <i>Kidney International</i> , 1997 , 52, 495-502	9.9	178
547	Homocysteine and its disulfide derivatives: a suggested consensus terminology. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000 , 20, 1704-6	9.4	177
546	Determinants and vitamin responsiveness of intermediate hyperhomocysteinemia (> or = 40 micromol/liter). The Hordaland Homocysteine Study. <i>Journal of Clinical Investigation</i> , 1996 , 98, 2174-83	15.9	176
545	Maternal plasma folate impacts differential DNA methylation in an epigenome-wide meta-analysis of newborns. <i>Nature Communications</i> , 2016 , 7, 10577	17.4	172
544	Screening for vitamin B-12 and folate deficiency in older persons. <i>American Journal of Clinical Nutrition</i> , 2003 , 77, 1241-7	7	165
543	Coffee consumption and plasma total homocysteine: The Hordaland Homocysteine Study. <i>American Journal of Clinical Nutrition</i> , 1997 , 65, 136-43	7	164
542	Divergent associations of plasma choline and betaine with components of metabolic syndrome in middle age and elderly men and women. <i>Journal of Nutrition</i> , 2008 , 138, 914-20	4.1	162
541	Plasma total homocysteine, B vitamins, and risk of coronary atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997 , 17, 989-95	9.4	159
540	Betaine: a key modulator of one-carbon metabolism and homocysteine status. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005 , 43, 1069-75	5.9	153
539	Effect of oral vitamin B-12 with or without folic acid on cognitive function in older people with mild vitamin B-12 deficiency: a randomized, placebo-controlled trial. <i>American Journal of Clinical Nutrition</i> , 2006 , 84, 361-370	7	152
538	Inflammation, vitamin B6 and related pathways. <i>Molecular Aspects of Medicine</i> , 2017 , 53, 10-27	16.7	151
537	Plasma total homocysteine and cardiovascular and noncardiovascular mortality: the Hordaland Homocysteine Study. <i>American Journal of Clinical Nutrition</i> , 2001 , 74, 130-6	7	150
536	Determination of reduced, oxidized, and protein-bound glutathione in human plasma with precolumn derivatization with monobromobimane and liquid chromatography. <i>Analytical Biochemistry</i> , 1990 , 184, 338-46	3.1	150
535	Large-scale population-based metabolic phenotyping of thirteen genetic polymorphisms related to one-carbon metabolism. <i>Human Mutation</i> , 2007 , 28, 856-65	4.7	149
534	Reduced, oxidized and protein-bound forms of homocysteine and other aminothiols in plasma comprise the redox thiol status--a possible element of the extracellular antioxidant defense system. <i>Journal of Nutrition</i> , 1996 , 126, 1281S-4S	4.1	143
533	Low vitamin B-12 status and risk of cognitive decline in older adults. <i>American Journal of Clinical Nutrition</i> , 2007 , 86, 1384-91	7	142
532	Oral cyanocobalamin supplementation in older people with vitamin B12 deficiency: a dose-finding trial. <i>Archives of Internal Medicine</i> , 2005 , 165, 1167-72		138

531	Clinical relevance of low serum vitamin B12 concentrations in older people: the Banbury B12 study. <i>Age and Ageing</i> , 2006 , 35, 416-22	3	137
530	Plasma total homocysteine and memory in the elderly: the Hordaland Homocysteine Study. <i>Annals of Neurology</i> , 2005 , 58, 847-57	9.4	136
529	Direct and Functional Biomarkers of Vitamin B6 Status. <i>Annual Review of Nutrition</i> , 2015 , 35, 33-70	9.9	135
528	Signs of impaired cognitive function in adolescents with marginal cobalamin status. <i>American Journal of Clinical Nutrition</i> , 2000 , 72, 762-9	7	134
527	DNA methylation as a long-term biomarker of exposure to tobacco smoke. <i>Epidemiology</i> , 2013 , 24, 712-6	9.1	129
526	Automated assay for the determination of methylmalonic acid, total homocysteine, and related amino acids in human serum or plasma by means of methylchloroformate derivatization and gas chromatography-mass spectrometry. <i>Clinical Chemistry</i> , 2005 , 51, 2103-9	5.5	128
525	Plasma concentrations of homocysteine and other aminothiol compounds are related to food intake in healthy human subjects. <i>Journal of Nutrition</i> , 1994 , 124, 1934-41	4.1	125
524	Distribution of tamoxifen and metabolites into brain tissue and brain metastases in breast cancer patients. <i>British Journal of Cancer</i> , 1991 , 63, 641-5	8.7	125
523	Common genetic loci influencing plasma homocysteine concentrations and their effect on risk of coronary artery disease. <i>American Journal of Clinical Nutrition</i> , 2013 , 98, 668-76	7	122
522	Serum B vitamin levels and risk of lung cancer. <i>JAMA - Journal of the American Medical Association</i> , 2010 , 303, 2377-85	27.4	122
521	Associations between maternal methylenetetrahydrofolate reductase polymorphisms and adverse outcomes of pregnancy: the Hordaland Homocysteine Study. <i>American Journal of Medicine</i> , 2004 , 117, 26-31	2.4	121
520	The 677C->T mutation in the methylenetetrahydrofolate reductase gene: associations with plasma total homocysteine levels and risk of coronary atherosclerotic disease. <i>Atherosclerosis</i> , 1997 , 132, 105-13	3.1	120
519	Lifestyle and cardiovascular disease risk factors as determinants of total cysteine in plasma: the Hordaland Homocysteine Study. <i>American Journal of Clinical Nutrition</i> , 1999 , 70, 1016-24	7	118
518	Circulating folate, vitamin B12, homocysteine, vitamin B12 transport proteins, and risk of prostate cancer: a case-control study, systematic review, and meta-analysis. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2010 , 19, 1632-42	4	116
517	Plasma total homocysteine levels in hyperthyroid and hypothyroid patients. <i>Metabolism: Clinical and Experimental</i> , 1998 , 47, 89-93	12.7	115
516	Determinants of cobalamin status in newborns. <i>Pediatrics</i> , 2001 , 108, 624-30	7.4	115
515	Plasma total homocysteine level and bone mineral density: the Hordaland Homocysteine Study. <i>Archives of Internal Medicine</i> , 2006 , 166, 88-94		114
514	Plasma homocysteine, folate, and vitamin B 12 and the risk of hip fracture: the hordaland homocysteine study. <i>Journal of Bone and Mineral Research</i> , 2007 , 22, 747-56	6.3	112

513	Homocysteine, cysteine, and body composition in the Hordaland Homocysteine Study: does cysteine link amino acid and lipid metabolism?. <i>American Journal of Clinical Nutrition</i> , 2008 , 88, 738-46	7	110
512	Analysis of double-stranded DNA by capillary electrophoresis with laser-induced fluorescence detection using the monomeric dye SYBR green I. <i>Analytical Biochemistry</i> , 1995 , 231, 359-65	3.1	108
511	The methylenetetrahydrofolate reductase 677C-->T polymorphism as a modulator of a B vitamin network with major effects on homocysteine metabolism. <i>American Journal of Human Genetics</i> , 2007 , 80, 846-55	11	107
510	Kynurenic Acid and Gpr35 Regulate Adipose Tissue Energy Homeostasis and Inflammation. <i>Cell Metabolism</i> , 2018 , 27, 378-392.e5	24.6	106
509	Dietary sources of vitamin B-12 and their association with plasma vitamin B-12 concentrations in the general population: the Hordaland Homocysteine Study. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 1078-87	7	106
508	Variability and determinants of total homocysteine concentrations in plasma in an elderly population. <i>Clinical Chemistry</i> , 1998 , 44, 102-107	5.5	106
507	Homocysteine and methylmalonic acid in diagnosis and risk assessment from infancy to adolescence. <i>American Journal of Clinical Nutrition</i> , 2003 , 78, 7-21	7	104
506	Choline and risk of neural tube defects in a folate-fortified population. <i>Epidemiology</i> , 2009 , 20, 714-9	3.1	103
505	Detection of vitamin B12 deficiency in older people by measuring vitamin B12 or the active fraction of vitamin B12, holotranscobalamin. <i>Clinical Chemistry</i> , 2007 , 53, 963-70	5.5	103
504	Fasting plasma homocysteine as a sensitive parameter of antifolate effect: a study of psoriasis patients receiving low-dose methotrexate treatment. <i>Clinical Pharmacology and Therapeutics</i> , 1989 , 46, 510-20	6.1	103
503	Prognostic impact of vitamin B6 metabolism in lung cancer. <i>Cell Reports</i> , 2012 , 2, 257-69	10.6	100
502	Associations of plasma kynurenines with risk of acute myocardial infarction in patients with stable angina pectoris. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 455-62	9.4	99
501	Systemic markers of interferon- γ -mediated immune activation and long-term prognosis in patients with stable coronary artery disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 698-704	9.4	99
500	Self-reported smoking status and plasma cotinine concentrations among pregnant women in the Norwegian Mother and Child Cohort Study. <i>Pediatric Research</i> , 2012 , 72, 101-7	3.2	97
499	Patterns and predictors of folic acid supplement use among pregnant women: the Norwegian Mother and Child Cohort Study. <i>American Journal of Clinical Nutrition</i> , 2006 , 84, 1134-41	7	95
498	Monitoring cobalamin inactivation during nitrous oxide anesthesia by determination of homocysteine and folate in plasma and urine. <i>Clinical Pharmacology and Therapeutics</i> , 1991 , 49, 385-93	6.1	95
497	High-throughput, low-volume, multianalyte quantification of plasma metabolites related to one-carbon metabolism using HPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 2009-17	4.4	94
496	Determinants of plasma methylmalonic acid in a large population: implications for assessment of vitamin B12 status. <i>Clinical Chemistry</i> , 2009 , 55, 2198-206	5.5	94

495	Metabolic profiling indicates impaired pyruvate dehydrogenase function in myalgic encephalopathy/chronic fatigue syndrome. <i>JCI Insight</i> , 2016 , 1, e89376	9.9	93
494	Plasma Biomarkers of Inflammation, the Kynurenine Pathway, and Risks of All-Cause, Cancer, and Cardiovascular Disease Mortality: The Hordaland Health Study. <i>American Journal of Epidemiology</i> , 2016 , 183, 249-58	3.8	92
493	Raised plasma homocysteine as a risk factor for retinal vascular occlusive disease. <i>British Journal of Ophthalmology</i> , 2000 , 84, 154-7	5.5	91
492	Maternal smoking and DNA methylation in newborns: in utero effect or epigenetic inheritance?. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2014 , 23, 1007-17	4	89
491	Biological and environmental determinants of plasma homocysteine. <i>Seminars in Thrombosis and Hemostasis</i> , 2000 , 26, 263-79	5.3	89
490	Methylmalonic acid and homocysteine in plasma as indicators of functional cobalamin deficiency in infants on macrobiotic diets. <i>Pediatric Research</i> , 1994 , 36, 194-201	3.2	88
489	Evaluation of Novel Assays in Clinical Chemistry: Quantification of Plasma Total Homocysteine. <i>Clinical Chemistry</i> , 2000 , 46, 1150-1156	5.5	87
488	Riboflavin, Flavin Mononucleotide, and Flavin Adenine Dinucleotide in Human Plasma and Erythrocytes at Baseline and after Low-Dose Riboflavin Supplementation. <i>Clinical Chemistry</i> , 2002 , 48, 1571-1577	5.5	86
487	Maternal folate levels in pregnancy and asthma in children at age 3 years. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 127, 262-4, 264.e1	11.5	82
486	Kinetic modeling of storage effects on biomarkers related to B vitamin status and one-carbon metabolism. <i>Clinical Chemistry</i> , 2012 , 58, 402-10	5.5	81
485	Diagnostic accuracy of holotranscobalamin, methylmalonic acid, serum cobalamin, and other indicators of tissue vitamin B ₁₂ status in the elderly. <i>Clinical Chemistry</i> , 2011 , 57, 856-63	5.5	81
484	Cobalamin status and its biochemical markers methylmalonic acid and homocysteine in different age groups from 4 days to 19 years. <i>Clinical Chemistry</i> , 2003 , 49, 2067-75	5.5	81
483	Multianalyte quantification of vitamin B6 and B2 species in the nanomolar range in human plasma by liquid chromatography-tandem mass spectrometry. <i>Clinical Chemistry</i> , 2005 , 51, 1206-16	5.5	80
482	Investigation of relationship between reduced, oxidized, and protein-bound homocysteine and vascular endothelial function in healthy human subjects. <i>Circulation Research</i> , 2001 , 89, 187-92	15.7	80
481	Redox status and protein binding of plasma homocysteine and other aminothiols in patients with homocystinuria. <i>Metabolism: Clinical and Experimental</i> , 1993 , 42, 1481-5	12.7	79
480	Cobalamin and folate status in infants and young children in a low-to-middle income community in India. <i>American Journal of Clinical Nutrition</i> , 2007 , 86, 1302-9	7	78
479	Holo-Transcobalamin Is an Early Marker of Changes in Cobalamin Homeostasis. A Randomized Placebo-controlled Study. <i>Clinical Chemistry</i> , 2002 , 48, 1768-1771	5.5	78
478	Plasma levels of the atherogenic amino acid homocysteine in post-menopausal women with breast cancer treated with tamoxifen. <i>International Journal of Cancer</i> , 1995 , 60, 365-8	7.5	77

477	Mechanistic perspective on the relationship between pyridoxal 5'-phosphate and inflammation. <i>Nutrition Reviews</i> , 2013 , 71, 239-44	6.4	75
476	Plasma dimethylglycine and risk of incident acute myocardial infarction in patients with stable angina pectoris. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 2041-8	9.4	75
475	Cobalamin Deficiency in General Practice. Assessment of the Diagnostic Utility and Cost-Benefit Analysis of Methylmalonic Acid Determination in Relation to Current Diagnostic Strategies. <i>Clinical Chemistry</i> , 1999 , 45, 189-198	5.5	75
474	Longitudinal study of the effect of pregnancy on maternal and fetal cobalamin status in healthy women and their offspring. <i>Journal of Nutrition</i> , 2007 , 137, 1863-7	4.1	74
473	Relation of total homocysteine and lipid levels in children to premature cardiovascular death in male relatives. <i>Pediatric Research</i> , 1996 , 40, 47-52	3.2	74
472	Plasma choline and betaine and their relation to plasma homocysteine in normal pregnancy. <i>American Journal of Clinical Nutrition</i> , 2005 , 81, 1383-9	7	73
471	Smoking, folate and methylenetetrahydrofolate reductase status as interactive determinants of adenomatous and hyperplastic polyps of colorectum. <i>American Journal of Medical Genetics Part A</i> , 2001 , 101, 246-54		73
470	Quantification of Riboflavin, Flavin Mononucleotide, and Flavin Adenine Dinucleotide in Human Plasma by Capillary Electrophoresis and Laser-induced Fluorescence Detection. <i>Clinical Chemistry</i> , 1999 , 45, 862-868	5.5	73
469	Neonatal genome-wide methylation patterns in relation to birth weight in the Norwegian Mother and Child Cohort. <i>American Journal of Epidemiology</i> , 2014 , 179, 834-42	3.8	72
468	Choline and homocysteine interrelations in umbilical cord and maternal plasma at delivery. <i>American Journal of Clinical Nutrition</i> , 2005 , 82, 836-42	7	71
467	Quantitative profiling of folate and one-carbon metabolism in large-scale epidemiological studies by mass spectrometry. <i>Clinical Chemistry and Laboratory Medicine</i> , 2007 , 45, 1737-45	5.9	70
466	Screening for serum total homocysteine in newborn children. <i>Clinical Chemistry</i> , 2004 , 50, 1769-84	5.5	69
465	A community-based study on determinants of circulating markers of cellular immune activation and kynurenines: the Hordaland Health Study. <i>Clinical and Experimental Immunology</i> , 2013 , 173, 121-30	6.2	68
464	Cobalamin and folate status predicts mental development scores in North Indian children 12-18 mo of age. <i>American Journal of Clinical Nutrition</i> , 2013 , 97, 310-7	7	68
463	Functional inference of the methylenetetrahydrofolate reductase 677C > T and 1298A > C polymorphisms from a large-scale epidemiological study. <i>Human Genetics</i> , 2007 , 121, 57-64	6.3	68
462	Neopterin and kynurenine-tryptophan ratio as predictors of coronary events in older adults, the Hordaland Health Study. <i>International Journal of Cardiology</i> , 2013 , 168, 1435-40	3.2	67
461	Kynurenine Pathway Metabolites in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017 , 60, 495-504	4.3	66
460	Homocysteine export from cells cultured in the presence of physiological or superfluous levels of methionine: methionine loading of non-transformed, transformed, proliferating, and quiescent cells in culture. <i>Journal of Cellular Physiology</i> , 1991 , 146, 52-62	7	64

459	Liquid chromatography-tandem mass spectrometry analysis of folate and folate catabolites in human serum. <i>Clinical Chemistry</i> , 2009 , 55, 1147-54	5.5	63
458	Most blood biomarkers related to vitamin status, one-carbon metabolism, and the kynurenine pathway show adequate preanalytical stability and within-person reproducibility to allow assessment of exposure or nutritional status in healthy women and cardiovascular patients. <i>Journal of Nutrition</i> , 2014 , 144, 784-90	4.1	62
457	Plasma folate, related genetic variants, and colorectal cancer risk in EPIC. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2010 , 19, 1328-40	4	62
456	One-carbon metabolism and prostate cancer risk: prospective investigation of seven circulating B vitamins and metabolites. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2009 , 18, 1538-43	4	62
455	Betaine concentration as a determinant of fasting total homocysteine concentrations and the effect of folic acid supplementation on betaine concentrations. <i>American Journal of Clinical Nutrition</i> , 2005 , 81, 1378-82	7	62
454	Hyperhomocysteinemia in patients operated for lower extremity ischaemia below the age of 50--effect of smoking and extent of disease. <i>European Journal of Vascular Surgery</i> , 1993 , 7, 391-6		62
453	Evidence for increased catabolism of vitamin B-6 during systemic inflammation. <i>American Journal of Clinical Nutrition</i> , 2014 , 100, 250-5	7	61
452	Combined Measurement of 6 Fat-Soluble Vitamins and 26 Water-Soluble Functional Vitamin Markers and Amino Acids in 50 μ l of Serum or Plasma by High-Throughput Mass Spectrometry. <i>Analytical Chemistry</i> , 2016 , 88, 10427-10436	7.8	61
451	The effect of the C677T and A1298C polymorphisms in the methylenetetrahydrofolate reductase gene on homocysteine levels in elderly men and women from the British regional heart study. <i>Atherosclerosis</i> , 2001 , 154, 659-66	3.1	59
450	Application of capillary electrophoresis with laser-induced fluorescence detection for routine determination of methylmalonic acid in human serum. <i>Analytical Chemistry</i> , 1995 , 67, 812-9	7.8	59
449	Kinetics of total plasma homocysteine in subjects with hyperhomocysteinemia due to folate or cobalamin deficiency. <i>American Journal of Clinical Nutrition</i> , 1996 , 63, 194-202	7	59
448	Assessment of homocysteine status. <i>Journal of Inherited Metabolic Disease</i> , 1997 , 20, 286-94	5.4	58
447	Analysis of single-strand conformation polymorphism by capillary electrophoresis with laser-induced fluorescence detection using short-chain polyacrylamide as sieving medium. <i>Analytical Biochemistry</i> , 1997 , 245, 79-84	3.1	58
446	Choline concentrations in human maternal and cord blood and intelligence at 5 y of age. <i>American Journal of Clinical Nutrition</i> , 2008 , 87, 896-902	7	58
445	Betaine and folate status as cooperative determinants of plasma homocysteine in humans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 379-85	9.4	58
444	DNA Methylation Score as a Biomarker in Newborns for Sustained Maternal Smoking during Pregnancy. <i>Environmental Health Perspectives</i> , 2017 , 125, 760-766	8.4	57
443	Genetic polymorphisms in 15q25 and 19q13 loci, cotinine levels, and risk of lung cancer in EPIC. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2011 , 20, 2250-61	4	57
442	Low plasma vitamin B-6 status affects metabolism through the kynurenine pathway in cardiovascular patients with systemic inflammation. <i>Journal of Nutrition</i> , 2011 , 141, 611-7	4.1	57

441	Plasma total cysteine, pregnancy complications, and adverse pregnancy outcomes: the Hordaland Homocysteine Study. <i>American Journal of Clinical Nutrition</i> , 2003 , 77, 467-72	7	57
440	Plasma vitamin B6 vitamers before and after oral vitamin B6 treatment: a randomized placebo-controlled study. <i>Clinical Chemistry</i> , 2003 , 49, 155-61	5.5	57
439	Bioinformatic and genetic association analysis of microRNA target sites in one-carbon metabolism genes. <i>PLoS ONE</i> , 2011 , 6, e21851	3.7	56
438	Risk of persistent cobalamin deficiency in adolescents fed a macrobiotic diet in early life. <i>American Journal of Clinical Nutrition</i> , 1999 , 69, 664-71	7	56
437	Combined analyses and extended follow-up of two randomized controlled homocysteine-lowering B-vitamin trials. <i>Journal of Internal Medicine</i> , 2010 , 268, 367-82	10.8	55
436	Common metabolic profile in infants indicating impaired cobalamin status responds to cobalamin supplementation. <i>Pediatrics</i> , 2008 , 122, 83-91	7.4	55
435	Determination of vitamins A, D and E in a small volume of human plasma by a high-throughput method based on liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 1942-8	2.2	53
434	A common methylenetetrahydrofolate reductase gene mutation and longevity. <i>Atherosclerosis</i> , 1998 , 141, 315-9	3.1	53
433	Effect of oral vitamin B-12 with or without folic acid on cognitive function in older people with mild vitamin B-12 deficiency: a randomized, placebo-controlled trial. <i>American Journal of Clinical Nutrition</i> , 2006 , 84, 361-70	7	53
432	Recent data are not in conflict with homocysteine as a cardiovascular risk factor. <i>Current Opinion in Lipidology</i> , 1998 , 9, 533-9	4.4	53
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131	Circulating markers of cellular immune activation in prediagnostic blood sample and lung cancer risk in the Lung Cancer Cohort Consortium (LC3). <i>International Journal of Cancer</i> , 2020 , 146, 2394-2405	7.5	8
130	Plasma Cystathionine and Risk of Incident Stroke in Patients With Suspected Stable Angina Pectoris. <i>Journal of the American Heart Association</i> , 2018 , 7, e008824	6	8
129	Dietary intake of cod protein beneficially affects concentrations of urinary markers of kidney function and results in lower urinary loss of amino acids in obese Zucker fa/fa rats. <i>British Journal of Nutrition</i> , 2018 , 120, 740-750	3.6	8
128	Plasma Amino Acids and Incident Type 2 Diabetes in Patients With Coronary Artery Disease. <i>Diabetes Care</i> , 2019 , 42, 1225-1233	14.6	7
127	Relationship of Cerebrospinal Fluid Vitamin B12 Status Markers With Parkinson's Disease Progression. <i>Movement Disorders</i> , 2020 , 35, 1466-1471	7	7
126	A prospective evaluation of serum methionine-related metabolites in relation to pancreatic cancer risk in two prospective cohort studies. <i>International Journal of Cancer</i> , 2020 , 147, 1917-1927	7.5	7
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124	The risk association of plasma total homocysteine with acute myocardial infarction is modified by serum vitamin A. <i>European Journal of Preventive Cardiology</i> , 2018 , 25, 1612-1620	3.9	7
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