

Jacob Selhub

List of Publications by Year in descending order

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272
papers

34,668
citations

2322

98
h-index

3650

180
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273
all docs

273
docs citations

273
times ranked

23170
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma Homocysteine as a Risk Factor for Dementia and Alzheimer's Disease. <i>New England Journal of Medicine</i> , 2002, 346, 476-483.	27.0	2,991
2	Vitamin Status and Intake as Primary Determinants of Homocysteinemia in an Elderly Population. <i>JAMA - Journal of the American Medical Association</i> , 1993, 270, 2693.	7.4	1,428
3	Association between Plasma Homocysteine Concentrations and Extracranial Carotid-Artery Stenosis. <i>New England Journal of Medicine</i> , 1995, 332, 286-291.	27.0	1,182
4	Relation Between Folate Status, a Common Mutation in Methylenetetrahydrofolate Reductase, and Plasma Homocysteine Concentrations. <i>Circulation</i> , 1996, 93, 7-9.	1.6	1,173
5	Multiple Biomarkers for the Prediction of First Major Cardiovascular Events and Death. <i>New England Journal of Medicine</i> , 2006, 355, 2631-2639.	27.0	1,167
6	The Effect of Folic Acid Fortification on Plasma Folate and Total Homocysteine Concentrations. <i>New England Journal of Medicine</i> , 1999, 340, 1449-1454.	27.0	1,026
7	A common mutation in the 5,10-methylenetetrahydrofolate reductase gene affects genomic DNA methylation through an interaction with folate status. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 5606-5611.	7.1	847
8	Determinants of plasma total homocysteine concentration in the Framingham Offspring cohort. <i>American Journal of Clinical Nutrition</i> , 2001, 73, 613-621.	4.7	558
9	Mice deficient in methylenetetrahydrofolate reductase exhibit hyperhomocysteinemia and decreased methylation capacity, with neuropathology and aortic lipid deposition. <i>Human Molecular Genetics</i> , 2001, 10, 433-443.	2.9	539
10	Homocysteine as a Predictive Factor for Hip Fracture in Older Persons. <i>New England Journal of Medicine</i> , 2004, 350, 2042-2049.	27.0	539
11	Folate and vitamin B-12 status in relation to anemia, macrocytosis, and cognitive impairment in older Americans in the age of folic acid fortification. <i>American Journal of Clinical Nutrition</i> , 2007, 85, 193-200.	4.7	510
12	Methylenetetrahydrofolate Reductase Polymorphism, Plasma Folate, Homocysteine, and Risk of Myocardial Infarction in US Physicians. <i>Circulation</i> , 1996, 94, 2410-2416.	1.6	399
13	B vitamins, homocysteine, and neurocognitive function in the elderly. <i>American Journal of Clinical Nutrition</i> , 2000, 71, 614S-620S.	4.7	387
14	Plasma homocysteine as a risk factor for atherothrombotic events in systemic lupus erythematosus. <i>Lancet</i> , The, 1996, 348, 1120-1124.	13.7	379
15	Unmetabolized Folic Acid in Plasma Is Associated with Reduced Natural Killer Cell Cytotoxicity among Postmenopausal Women. <i>Journal of Nutrition</i> , 2006, 136, 189-194.	2.9	365
16	Nonfasting Plasma Total Homocysteine Levels and Stroke Incidence in Elderly Persons: The Framingham Study. <i>Annals of Internal Medicine</i> , 1999, 131, 352.	3.9	351
17	Hyperhomocysteinemia and Low Pyridoxal Phosphate. <i>Circulation</i> , 1995, 92, 2825-2830.	1.6	326
18	Serum Total Homocysteine Concentrations in the Third National Health and Nutrition Examination Survey (1991-1994): Population Reference Ranges and Contribution of Vitamin Status to High Serum Concentrations. <i>Annals of Internal Medicine</i> , 1999, 131, 331.	3.9	310

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19	Plasma Folate, Vitamin B6, Vitamin B12, Homocysteine, and Risk of Breast Cancer. Journal of the National Cancer Institute, 2003, 95, 373-380.	6.3	310
20	Interrelation of Hyperhomocyst(e)inemia, Factor V Leiden, and Risk of Future Venous Thromboembolism. Circulation, 1997, 95, 1777-1782.	1.6	299
21	Hyperhomocysteinemia Confers an Independent Increased Risk of Atherosclerosis in End-Stage Renal Disease and Is Closely Linked to Plasma Folate and Pyridoxine Concentrations. Circulation, 1996, 94, 2743-2748.	1.6	294
22	Elevated Fasting Total Plasma Homocysteine Levels and Cardiovascular Disease Outcomes in Maintenance Dialysis Patients. Arteriosclerosis, Thrombosis, and Vascular Biology, 1997, 17, 2554-2558.	2.4	274
23	Nonfasting Plasma Total Homocysteine Levels and All-Cause and Cardiovascular Disease Mortality in Elderly Framingham Men and Women. Archives of Internal Medicine, 1999, 159, 1077.	3.8	262
24	Homocysteine versus the vitamins folate, B6, and B12 as predictors of cognitive function and decline in older high-functioning adults: MacArthur Studies of Successful Aging. American Journal of Medicine, 2005, 118, 161-167.	1.5	248
25	C-Reactive Protein and Reclassification of Cardiovascular Risk in the Framingham Heart Study. Circulation: Cardiovascular Quality and Outcomes, 2008, 1, 92-97.	2.2	248
26	Folic Acid Intake from Fortification in United States Exceeds Predictions. Journal of Nutrition, 2002, 132, 2792-2798.	2.9	246
27	Relations of Biomarkers of Distinct Pathophysiological Pathways and Atrial Fibrillation Incidence in the Community. Circulation, 2010, 121, 200-207.	1.6	243
28	Autoantibodies to Folate Receptors in the Cerebral Folate Deficiency Syndrome. New England Journal of Medicine, 2005, 352, 1985-1991.	27.0	239
29	The Kidney and Homocysteine Metabolism. Journal of the American Society of Nephrology: JASN, 2001, 12, 2181-2189.	6.1	234
30	High Homocysteine Levels Are Independently Related to Isolated Systolic Hypertension in Older Adults. Circulation, 1997, 96, 1745-1749.	1.6	233
31	Low Circulating Vitamin B ₆ Is Associated With Elevation of the Inflammation Marker C-Reactive Protein Independently of Plasma Homocysteine Levels. Circulation, 2001, 103, 2788-2791.	1.6	226
32	High dose B-vitamin treatment of hyperhomocysteinemia in dialysis patients. Kidney International, 1996, 49, 147-152.	5.2	225
33	Serum total homocysteine concentrations in adolescent and adult Americans: results from the third National Health and Nutrition Examination Survey. American Journal of Clinical Nutrition, 1999, 69, 482-489.	4.7	224
34	A Common Mutation A1298C in Human Methylenetetrahydrofolate Reductase Gene: Association with Plasma Total Homocysteine and Folate Concentrations. Journal of Nutrition, 1999, 129, 1656-1661.	2.9	221
35	Net uptake of plasma homocysteine by the rat kidney in vivo. Atherosclerosis, 1995, 116, 59-62.	0.8	217
36	A Method to Assess Genomic DNA Methylation Using High-Performance Liquid Chromatography/Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2002, 74, 4526-4531.	6.5	216

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37	Homocysteine and Its Disulfide Derivatives. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000, 20, 1704-1706.	2.4	204
38	In vitamin B ₁₂ deficiency, higher serum folate is associated with increased total homocysteine and methylmalonic acid concentrations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19995-20000.	7.1	194
39	Dietary choline and betaine assessed by food-frequency questionnaire in relation to plasma total homocysteine concentration in the Framingham Offspring Study. <i>American Journal of Clinical Nutrition</i> , 2006, 83, 905-911.	4.7	192
40	Correlation of a Common Mutation in the Methylenetetrahydrofolate Reductase Gene With Plasma Homocysteine in Patients With Premature Coronary Artery Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 569-573.	2.4	186
41	Multimarker Approach to Evaluate the Incidence of the Metabolic Syndrome and Longitudinal Changes in Metabolic Risk Factors. <i>Circulation</i> , 2007, 116, 984-992.	1.6	185
42	Homocysteine and coronary artery disease in French Canadian subjects: Relation with vitamins B12, B6, pyridoxal phosphate, and folate. <i>American Journal of Cardiology</i> , 1995, 75, 1107-1111.	1.6	180
43	Plasma vitamin B-12 concentrations relate to intake source in the Framingham Offspring Study. <i>American Journal of Clinical Nutrition</i> , 2000, 71, 514-522.	4.7	180
44	Global DNA hypomethylation increases progressively in cervical dysplasia and carcinoma. <i>Cancer</i> , 1994, 74, 893-899.	4.1	179
45	Post-methionine load hyperhomocysteinemia in persons with normal fasting total plasma homocysteine: initial results from The NHLBI Family Heart Study. <i>Atherosclerosis</i> , 1995, 116, 147-151.	0.8	177
46	Plasma Homocysteine and Risk for Congestive Heart Failure in Adults Without Prior Myocardial Infarction. <i>JAMA - Journal of the American Medical Association</i> , 2003, 289, 1251.	7.4	177
47	The Many Facets of Hyperhomocysteinemia: Studies from the Framingham Cohorts. <i>Journal of Nutrition</i> , 2006, 136, 1726S-1730S.	2.9	174
48	Hyperhomocysteinemia and traditional cardiovascular disease risk factors in end-stage renal disease patients on dialysis: a case-control study. <i>Atherosclerosis</i> , 1995, 114, 93-103.	0.8	173
49	Hyperhomocysteinemia associated with poor recall in the third National Health and Nutrition Examination Survey. <i>American Journal of Clinical Nutrition</i> , 2001, 73, 927-933.	4.7	173
50	Depression and Folate Status in the US Population. <i>Psychotherapy and Psychosomatics</i> , 2003, 72, 80-87.	8.8	173
51	Homocysteine-Lowering and Cardiovascular Disease Outcomes in Kidney Transplant Recipients. <i>Circulation</i> , 2011, 123, 1763-1770.	1.6	171
52	Effect of Dietary Patterns on Serum Homocysteine. <i>Circulation</i> , 2000, 102, 852-857.	1.6	162
53	Multiple Biomarkers and the Risk of Incident Hypertension. <i>Hypertension</i> , 2007, 49, 432-438.	2.7	161
54	B-vitamin deficiency causes hyperhomocysteinemia and vascular cognitive impairment in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12474-12479.	7.1	161

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55	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, 668-676.	4.7	161
56	Genome-wide significant predictors of metabolites in the one-carbon metabolism pathway. <i>Human Molecular Genetics</i> , 2009, 18, 4677-4687.	2.9	157
57	Biomarkers of vitamin B-12 status in NHANES: a roundtable summary. <i>American Journal of Clinical Nutrition</i> , 2011, 94, 313S-321S.	4.7	157
58	Severe Folate Deficiency Causes Secondary Depletion of Choline and Phosphocholine in Rat Liver. <i>Journal of Nutrition</i> , 1994, 124, 2197-2203.	2.9	154
59	Folate-vitamin B-12 interaction in relation to cognitive impairment, anemia, and biochemical indicators of vitamin B-12 deficiency. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 702S-706S.	4.7	154
60	Dietary Intake Pattern Relates to Plasma Folate and Homocysteine Concentrations in the Framingham Heart Study. <i>Journal of Nutrition</i> , 1996, 126, 3025-3031.	2.9	153
61	Oxidative damage caused by free radicals produced during catecholamine autoxidation: Protective effects of O-methylation and melatonin. <i>Free Radical Biology and Medicine</i> , 1996, 21, 241-249.	2.9	147
62	The atherogenic effect of excess methionine intake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 15089-15094.	7.1	147
63	Plasma pyridoxal 5-phosphate in the US population: the National Health and Nutrition Examination Survey, 2003-2004. <i>American Journal of Clinical Nutrition</i> , 2008, 87, 1446-1454.	4.7	147
64	Association of Plasma Total Homocysteine Levels With Subclinical Brain Injury. <i>Archives of Neurology</i> , 2008, 65, 642-9.	4.5	146
65	Influence of a methionine synthase (D919G) polymorphism on plasma homocysteine and folate levels and relation to risk of myocardial infarction. <i>Atherosclerosis</i> , 2001, 154, 667-672.	0.8	142
66	Common variants of FUT2 are associated with plasma vitamin B12 levels. <i>Nature Genetics</i> , 2008, 40, 1160-1162.	21.4	142
67	Relation between homocysteine and B-vitamin status indicators and bone mineral density in older Americans. <i>Bone</i> , 2005, 37, 234-242.	2.9	140
68	Preconception homocysteine and B vitamin status and birth outcomes in Chinese women. <i>American Journal of Clinical Nutrition</i> , 2002, 76, 1385-1391.	4.7	139
69	Low Plasma Vitamin B12 Is Associated With Lower BMD: The Framingham Osteoporosis Study. <i>Journal of Bone and Mineral Research</i> , 2005, 20, 152-158.	2.8	134
70	Circulating unmetabolized folic acid and 5-methyltetrahydrofolate in relation to anemia, macrocytosis, and cognitive test performance in American seniors. <i>American Journal of Clinical Nutrition</i> , 2010, 91, 1733-1744.	4.7	130
71	Association of dietary protein intake and coffee consumption with serum homocysteine concentrations in an older population. <i>American Journal of Clinical Nutrition</i> , 1999, 69, 467-475.	4.7	125
72	Homocysteine and Cognitive Performance in the Framingham Offspring Study: Age Is Important. <i>American Journal of Epidemiology</i> , 2005, 162, 644-653.	3.4	123

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73	The use of Blood Concentrations of Vitamins and their Respective Functional Indicators to Define Folate and Vitamin B ₁₂ Status. Food and Nutrition Bulletin, 2008, 29, S67-S73.	1.4	123
74	Multimarker Approach for the Prediction of Heart Failure Incidence in the Community. Circulation, 2010, 122, 1700-1706.	1.6	123
75	A randomized trial on folic acid supplementation and risk of recurrent colorectal adenoma. American Journal of Clinical Nutrition, 2009, 90, 1623-1631.	4.7	120
76	Inhibition of Folate Enzymes by Sulfasalazine. Journal of Clinical Investigation, 1978, 61, 221-224.	8.2	118
77	Enhancement of folates in plants through metabolic engineering. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5158-5163.	7.1	118
78	Excessive folic acid intake and relation to adverse health outcome. Biochimie, 2016, 126, 71-78.	2.6	118
79	The Relationship between Riboflavin and Plasma Total Homocysteine in the Framingham Offspring Cohort Is Influenced by Folate Status and the C677T Transition in the Methylenetetrahydrofolate Reductase Gene. Journal of Nutrition, 2002, 132, 283-288.	2.9	117
80	Folic Acid Fortification Increases Red Blood Cell Folate Concentrations in the Framingham Study. Journal of Nutrition, 2001, 131, 3277-3280.	2.9	116
81	Investigation of the effects of folate deficiency on embryonic development through the establishment of a folate deficient mouse model. Teratology, 2002, 65, 219-227.	1.6	115
82	Analysis of Folate Form Distribution by Affinity Followed by Reversed-Phase Chromatography with Electrochemical Detection. Clinical Chemistry, 2000, 46, 404-411.	3.2	114
83	Hyperhomocysteinemia and hypercholesterolemia associated with hypothyroidism in the third US National Health and Nutrition Examination Survey. Atherosclerosis, 2001, 155, 195-200.	0.8	114
84	Folate status is the major determinant of fasting total plasma homocysteine levels in maintenance dialysis patients. Atherosclerosis, 1996, 123, 193-202.	0.8	112
85	Plasma B Vitamins, Homocysteine, and Their Relation with Bone Loss and Hip Fracture in Elderly Men and Women. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 2206-2212.	3.6	112
86	Circulating folic acid in plasma: relation to folic acid fortification. American Journal of Clinical Nutrition, 2008, 88, 763-768.	4.7	112
87	High-Dose B Vitamin Supplementation and Progression of Subclinical Atherosclerosis. Stroke, 2009, 40, 730-736.	2.0	112
88	Nonfasting Plasma Total Homocysteine Level and Mortality in Middle-Aged and Elderly Men and Women in Jerusalem. Annals of Internal Medicine, 1999, 131, 321.	3.9	111
89	Plasma folate, vitamin B-6, vitamin B-12, and risk of breast cancer in women. American Journal of Clinical Nutrition, 2008, 87, 734-743.	4.7	111
90	Multimarker Approach to Evaluate Correlates of Vascular Stiffness. Circulation, 2009, 119, 37-43.	1.6	107

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91	Hyperhomocysteinemia, hyperfibrinogenemia, and lipoprotein (a) excess in maintenance dialysis patients: a matched case-control study. <i>Atherosclerosis</i> , 1996, 125, 91-101.	0.8	106
92	Abnormal vitamin B6 status is associated with severity of symptoms in patients with rheumatoid arthritis. <i>American Journal of Medicine</i> , 2003, 114, 283-287.	1.5	106
93	Not all cases of neural-tube defect can be prevented by increasing the intake of folic acid. <i>British Journal of Nutrition</i> , 2009, 102, 173-180.	2.3	106
94	Plasma Homocysteine and Cysteine and Risk of Breast Cancer in Women. <i>Cancer Research</i> , 2010, 70, 2397-2405.	0.9	106
95	Public Health Significance of Elevated Homocysteine. <i>Food and Nutrition Bulletin</i> , 2008, 29, S116-S125.	1.4	105
96	Plasma Homocysteine, Hypertension Incidence, and Blood Pressure Tracking. <i>Hypertension</i> , 2003, 42, 1100-1105.	2.7	104
97	Biomarkers of folate status in NHANES: a roundtable summary. <i>American Journal of Clinical Nutrition</i> , 2011, 94, 303S-312S.	4.7	104
98	Long-Term Folate Deficiency Alters Folate Content and Distribution Differentially in Rat Tissues. <i>Journal of Nutrition</i> , 1992, 122, 986-991.	2.9	103
99	Bacterially Synthesized Folate in Rat Large Intestine is Incorporated into Host Tissue Folyl Polyglutamates. <i>Journal of Nutrition</i> , 1991, 121, 1955-1959.	2.9	101
100	High intake of folic acid disrupts embryonic development in mice. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2011, 91, 8-19.	1.6	101
101	Properties of Food Foliates Determined by Stability and Susceptibility to Intestinal Pteroylpolyglutamate Hydrolase Action. <i>Journal of Nutrition</i> , 1998, 128, 1956-1960.	2.9	99
102	Effect of L-Dopa and the Catechol-O-Methyltransferase Inhibitor Ro 41â€œ0960 on Sulfur Amino Acid Metabolites in Rats. <i>Clinical Neuropharmacology</i> , 1997, 20, 55-66.	0.7	98
103	Homocysteine levels and decline in physical function: MacArthur studies of successful aging. <i>American Journal of Medicine</i> , 2002, 113, 537-542.	1.5	98
104	Vitamin Bâ€œ12 and Folate Status in Relation to Decline in Scores on the Miniâ€œMental State Examination in the Framingham Heart Study. <i>Journal of the American Geriatrics Society</i> , 2012, 60, 1457-1464.	2.6	98
105	Vitamin B-6 Intake Is Inversely Related to, and the Requirement Is Affected by, Inflammation Status. <i>Journal of Nutrition</i> , 2010, 140, 103-110.	2.9	97
106	Plasma Vitamin B 6 and the Risk of Colorectal Cancer and Adenoma in Women. <i>Journal of the National Cancer Institute</i> , 2005, 97, 684-692.	6.3	95
107	Knowledge gaps in understanding the metabolic and clinical effects of excess folates/folic acid: a summary, and perspectives, from an NIH workshop. <i>American Journal of Clinical Nutrition</i> , 2020, 112, 1390-1403.	4.7	95
108	Power Shortage: Clinical Trials Testing the â€œHomocysteine Hypothesisâ€œ against a Background of Folic Acidâ€œFortified Cereal Grain Flour. <i>Annals of Internal Medicine</i> , 2001, 135, 133.	3.9	91

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109	A Multi-Marker Approach to Predict Incident CKD and Microalbuminuria. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 2143-2149.	6.1	91
110	Association of the B-Vitamins Pyridoxal 5'-Phosphate (B6), B12, and Folate with Lung Cancer Risk in Older Men. <i>American Journal of Epidemiology</i> , 2001, 153, 688-694.	3.4	89
111	Effects of polymorphisms of methionine synthase and methionine synthase reductase on total plasma homocysteine in the NHLBI Family Heart Study. <i>Atherosclerosis</i> , 2003, 166, 49-55.	0.8	89
112	Relations of plasma homocysteine to left ventricular structure and function: the Framingham Heart Study. <i>European Heart Journal</i> , 2004, 25, 523-530.	2.2	89
113	B vitamins and the aging brain. <i>Nutrition Reviews</i> , 2010, 68, S112-S118.	5.8	88
114	Mechanistic perspective on the relationship between pyridoxal 5'-phosphate and inflammation. <i>Nutrition Reviews</i> , 2013, 71, 239-244.	5.8	87
115	Vitamin B-12 Deficiency Induces Anomalies of Base Substitution and Methylation in the DNA of Rat Colonic Epithelium. <i>Journal of Nutrition</i> , 2004, 134, 750-755.	2.9	86
116	Regulation of Folate-mediated One-carbon Metabolism by 10-Formyltetrahydrofolate Dehydrogenase. <i>Journal of Biological Chemistry</i> , 2006, 281, 18335-18342.	3.4	86
117	Breakfast cereal fortified with folic acid, vitamin B-6, and vitamin B-12 increases vitamin concentrations and reduces homocysteine concentrations: a randomized trial. <i>American Journal of Clinical Nutrition</i> , 2004, 79, 805-811.	4.7	85
118	Determination of tissue folate composition by affinity chromatography followed by high-pressure ion pair liquid chromatography. <i>Analytical Biochemistry</i> , 1989, 182, 84-93.	2.4	84
119	Excess Prevalence of Fasting and Postmethionine-Loading Hyperhomocysteinemia in Stable Renal Transplant Recipients. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 1894-1900.	2.4	84
120	Low Plasma Vitamin B12 Is Associated With Lower BMD: The Framingham Osteoporosis Study. <i>Journal of Bone and Mineral Research</i> , 2005, 20, 152-158.	2.8	82
121	Plasma Pyridoxal-5-Phosphate Is Inversely Associated with Systemic Markers of Inflammation in a Population of U.S. Adults. <i>Journal of Nutrition</i> , 2012, 142, 1280-1285.	2.9	82
122	Homocysteine as a risk factor for coronary heart diseases and its association with inflammatory biomarkers, lipids and dietary factors. <i>Atherosclerosis</i> , 2004, 177, 375-381.	0.8	76
123	Association of a Common Polymorphism in the Methylenetetrahydrofolate Reductase (MTHFR) Gene With Bone Phenotypes Depends on Plasma Folate Status. <i>Journal of Bone and Mineral Research</i> , 2003, 19, 410-418.	2.8	75
124	Controlled Comparison of 5-Methyltetrahydrofolate Versus Folic Acid for the Treatment of Hyperhomocysteinemia in Hemodialysis Patients. <i>Circulation</i> , 2000, 101, 2829-2832.	1.6	74
125	Dietary vitamin B6 intake modulates colonic inflammation in the IL10 ^{-/-} model of inflammatory bowel disease. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 2138-2143.	4.2	74
126	Cognitive Impairment in Folate-Deficient Rats Corresponds to Depleted Brain Phosphatidylcholine and Is Prevented by Dietary Methionine without Lowering Plasma Homocysteine. <i>Journal of Nutrition</i> , 2008, 138, 2502-2509.	2.9	73

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127	Interaction between excess folate and low vitamin B12 status. <i>Molecular Aspects of Medicine</i> , 2017, 53, 43-47.	6.4	71
128	Polymorphisms in the one-carbon metabolic pathway, plasma folate levels and colorectal cancer in a prospective study. <i>International Journal of Cancer</i> , 2004, 110, 617-620.	5.1	70
129	Age and Gender Affect the Relation between Methylenetetrahydrofolate Reductase C677T Genotype and Fasting Plasma Homocysteine Concentrations in the Framingham Offspring Study Cohort. <i>Journal of Nutrition</i> , 2003, 133, 3416-3421.	2.9	69
130	Genome-Wide Meta-Analysis of Homocysteine and Methionine Metabolism Identifies Five One Carbon Metabolism Loci and a Novel Association of ALDH1L1 with Ischemic Stroke. <i>PLoS Genetics</i> , 2014, 10, e1004214.	3.5	69
131	Elevated Serum Methylmalonic Acid Concentrations Are Common among Elderly Americans. <i>Journal of Nutrition</i> , 2002, 132, 2799-2803.	2.9	68
132	Moderately high intake of folic acid has a negative impact on mouse embryonic development. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2013, 97, 47-52.	1.6	68
133	Plasma Total Homocysteine Levels among Patients Undergoing Nocturnal versus Standard Hemodialysis. <i>Journal of the American Society of Nephrology: JASN</i> , 2002, 13, 265-268.	6.1	68
134	Status of Vitamins B-12 and B-6 but Not of Folate, Homocysteine, and the Methylenetetrahydrofolate Reductase C677T Polymorphism Are Associated with Impaired Cognition and Depression in Adults. <i>Journal of Nutrition</i> , 2012, 142, 1554-1560.	2.9	67
135	Telomere Length in Peripheral Blood Mononuclear Cells Is Associated with Folate Status in Men. <i>Journal of Nutrition</i> , 2009, 139, 1273-1278.	2.9	66
136	A 19-Base Pair Deletion Polymorphism in Dihydrofolate Reductase Is Associated with Increased Unmetabolized Folic Acid in Plasma and Decreased Red Blood Cell Folate. <i>Journal of Nutrition</i> , 2008, 138, 2323-2327.	2.9	65
137	Multiple Biomarkers and Risk of Clinical and Subclinical Vascular Brain Injury. <i>Circulation</i> , 2012, 125, 2100-2107.	1.6	63
138	Effect of chronic choline deficiency in rats on liver folate content and distribution. <i>Journal of Nutritional Biochemistry</i> , 1992, 3, 519-522.	4.2	62
139	In the Cystathionine β -Synthase Knockout Mouse, Elevations in Total Plasma Homocysteine Increase Tissue S-Adenosylhomocysteine, but Responses of S-Adenosylmethionine and DNA Methylation Are Tissue Specific. <i>Journal of Nutrition</i> , 2002, 132, 2157-2160.	2.9	62
140	Serum Total Homocysteine Concentrations in Children and Adolescents: Results from the Third National Health and Nutrition Examination Survey (NHANES III). <i>Journal of Nutrition</i> , 2003, 133, 2643-2649.	2.9	62
141	Micronutrient Deficiencies Are Associated with Impaired Immune Response and Higher Burden of Respiratory Infections in Elderly Ecuadorians. <i>Journal of Nutrition</i> , 2009, 139, 113-119.	2.9	61
142	Relationship Between Homocysteine and Thrombotic Disease. <i>American Journal of the Medical Sciences</i> , 1998, 316, 129-141.	1.1	61
143	Methenyltetrahydrofolate Synthetase Regulates Folate Turnover and Accumulation. <i>Journal of Biological Chemistry</i> , 2003, 278, 29856-29862.	3.4	60
144	Homocysteine and Arteriosclerosis. <i>Circulation</i> , 1999, 99, 2361-2363.	1.6	59

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145	Methylenetetrahydrofolate Reductase 677Câ†T Polymorphism and Folate Status Affect One-Carbon Incorporation into Human DNA Deoxynucleosides. <i>Journal of Nutrition</i> , 2005, 135, 389-396.	2.9	59
146	Enhanced Reduction of Fasting Total Homocysteine Levels With Supraphysiological Versus Standard Multivitamin Dose Folic Acid Supplementation in Renal Transplant Recipients. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 2918-2921.	2.4	56
147	Relationship Between Homocysteine and Mortality in Chronic Kidney Disease. <i>Circulation</i> , 2006, 113, 1572-1577.	1.6	53
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