

# Eoin P Quinlivan

## List of Publications by Year in descending order

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47  
papers

2,867  
citations

117625

34  
h-index

214800

47  
g-index

47  
all docs

47  
docs citations

47  
times ranked

3472  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of food fortification on folic acid intake in the United States. <i>American Journal of Clinical Nutrition</i> , 2003, 77, 221-225.	4.7	236
2	Folate biofortification in tomatoes by engineering the pteridine branch of folate synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13720-13725.	7.1	195
3	Importance of both folic acid and vitamin B12 in reduction of risk of vascular disease. <i>Lancet</i> , The, 2002, 359, 227-228.	13.7	189
4	Tracer-derived total and folate-dependent homocysteine remethylation and synthesis rates in humans indicate that serine is the main one-carbon donor. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004, 286, E272-E279.	3.5	134
5	Methylenetetrahydrofolate reductase 677Câ†T polymorphism affects DNA methylation in response to controlled folate intake in young women. <i>Journal of Nutritional Biochemistry</i> , 2004, 15, 554-560.	4.2	125
6	MTHFR 677Câ†T genotype is associated with folate and homocysteine concentrations in a large, population-based, double-blind trial of folic acid supplementation. <i>American Journal of Clinical Nutrition</i> , 2011, 93, 1365-1372.	4.7	117
7	Folate synthesis in plants: The p-aminobenzoate branch is initiated by a bifunctional PabA-PabB protein that is targeted to plastids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1496-1501.	7.1	111
8	The analysis of folate and its metabolic precursors in biological samples. <i>Analytical Biochemistry</i> , 2006, 348, 163-184.	2.4	110
9	Dysregulated Hepatic Methionine Metabolism Drives Homocysteine Elevation in Diet-Induced Nonalcoholic Fatty Liver Disease. <i>PLoS ONE</i> , 2015, 10, e0136822.	2.5	96
10	Folate synthesis in plants: the last step of the p-aminobenzoate branch is catalyzed by a plastidial aminodeoxychorismate lyase. <i>Plant Journal</i> , 2004, 40, 453-461.	5.7	86
11	Folate Synthesis and Metabolism in Plants and Prospects For Biofortification. <i>Crop Science</i> , 2005, 45, 449-453.	1.8	85
12	DNA digestion to deoxyribonucleoside: A simplified one-step procedure. <i>Analytical Biochemistry</i> , 2008, 373, 383-385.	2.4	82
13	Folate synthesis in plants: The first step of the pterin branch is mediated by a unique bimodular GTP cyclohydrolase I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12489-12494.	7.1	80
14	5-Formyltetrahydrofolate Is an Inhibitory but Well Tolerated Metabolite in Arabidopsis Leaves. <i>Journal of Biological Chemistry</i> , 2005, 280, 26137-26142.	3.4	72
15	Epigenetic regulation of hepatic endoplasmic reticulum stress pathways in the ethanol-fed cystathionine beta synthase-deficient mouse. <i>Hepatology</i> , 2010, 51, 932-941.	7.3	72
16	INVIVOKINETICS OFFOLATEMETABOLISM. <i>Annual Review of Nutrition</i> , 2002, 22, 199-220.	10.1	61
17	The Folate Precursor p-Aminobenzoate Is Reversibly Converted to Its Glucose Ester in the Plant Cytosol. <i>Journal of Biological Chemistry</i> , 2003, 278, 20731-20737.	3.4	61
18	Methionine Synthase Reductase 66Aâ†G Polymorphism Is Associated with Increased Plasma Homocysteine Concentration When Combined with the Homozygous Methylenetetrahydrofolate Reductase 677Câ†T Variant. <i>Journal of Nutrition</i> , 2004, 134, 2985-2990.	2.9	61

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19	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
20	Mechanism of the antimicrobial drug trimethoprim revisited. <i>FASEB Journal</i> , 2000, 14, 2519-2524.	0.5	56
21	Plasma Glutathione and Cystathionine Concentrations Are Elevated but Cysteine Flux Is Unchanged by Dietary Vitamin B-6 Restriction in Young Men and Women. <i>Journal of Nutrition</i> , 2006, 136, 373-378.	2.9	56
22	Vitamin B-12 Status Is Inversely Associated with Plasma Homocysteine in Young Women with C677T and/or A1298C Methylenetetrahydrofolate Reductase Polymorphisms. <i>Journal of Nutrition</i> , 2002, 132, 1872-1878.	2.9	54
23	DNA methylation determination by liquid chromatography-tandem mass spectrometry using novel biosynthetic [U-15N]deoxycytidine and [U-15N]methyldeoxycytidine internal standards. <i>Nucleic Acids Research</i> , 2008, 36, e119-e119.	14.5	51
24	The relationship between increased folate catabolism and the increased requirement for folate in pregnancy. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2000, 107, 1149-1154.	2.3	47
25	Moderate Dietary Vitamin B-6 Restriction Raises Plasma Glycine and Cystathionine Concentrations While Minimally Affecting the Rates of Glycine Turnover and Glycine Cleavage in Healthy Men and Women. <i>Journal of Nutrition</i> , 2009, 139, 452-460.	2.9	45
26	Integrating the issues of folate bioavailability, intake and metabolism in the era of fortification. <i>Trends in Food Science and Technology</i> , 2005, 16, 229-240.	15.1	44
27	Evidence for folateâ€salvage reactions in plants. <i>Plant Journal</i> , 2006, 46, 426-435.	5.7	44
28	Mice Heterozygous for Germ-line Mutations in Methylthioadenosine Phosphorylase (<i>MTAP</i>) Die Prematurely of T-Cell Lymphoma. <i>Cancer Research</i> , 2009, 69, 5961-5969.	0.9	44
29	Genomic DNA Methylation Changes in Response to Folic Acid Supplementation in a Population-Based Intervention Study among Women of Reproductive Age. <i>PLoS ONE</i> , 2011, 6, e28144.	2.5	43
30	Dietary vitamin B-6 restriction does not alter rates of homocysteine remethylation or synthesis in healthy young women and men. <i>American Journal of Clinical Nutrition</i> , 2005, 81, 648-655.	4.7	42
31	Metabolite Profile Analysis Reveals Functional Effects of 28-Day Vitamin B-6 Restriction on One-Carbon Metabolism and Tryptophan Catabolic Pathways in Healthy Men and Women. <i>Journal of Nutrition</i> , 2013, 143, 1719-1727.	2.9	41
32	The Methylenetetrahydrofolate Reductase 677Câ†T Polymorphism and Dietary Folate Restriction Affect Plasma One-Carbon Metabolites and Red Blood Cell Folate Concentrations and Distribution in Women. <i>Journal of Nutrition</i> , 2005, 135, 1040-1044.	2.9	38
33	Reassessing folic acid consumption patterns in the United States (1999â€“2004): potential effect on neural tube defects and overexposure to folate. <i>American Journal of Clinical Nutrition</i> , 2007, 86, 1773-1779.	4.7	38
34	Homocysteine Synthesis Is Elevated but Total Remethylation Is Unchanged by the Methylenetetrahydrofolate Reductase 677Câ†T Polymorphism and by Dietary Folate Restriction in Young Women. <i>Journal of Nutrition</i> , 2005, 135, 1045-1050.	2.9	34
35	Protein arginine hypomethylation in a mouse model of cystathionine Î²â€synthase deficiency. <i>FASEB Journal</i> , 2014, 28, 2686-2695.	0.5	31
36	Association of Branched and Aromatic Amino Acids Levels with Metabolic Syndrome and Impaired Fasting Glucose in Hypertensive Patients. <i>Metabolic Syndrome and Related Disorders</i> , 2015, 13, 195-202.	1.3	26

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37	Moderate Vitamin B-6 Restriction Does Not Alter Postprandial Methionine Cycle Rates of Remethylation, Transmethylation, and Total Transsulfuration but Increases the Fractional Synthesis Rate of Cystathionine in Healthy Young Men and Women <sup>1&amp;#x2013;3</sup> . <i>Journal of Nutrition</i> , 2011, 141, 835-842.	2.9	25
38	Reassessing folic acid consumption patterns in the United States (1999&#x2013;2004): potential effect on neural tube defects and overexposure to folate. <i>American Journal of Clinical Nutrition</i> , 2007, 86, 1773-1779.	4.7	23
39	In vitamin B12 deficiency, higher serum folate is associated with increased homocysteine and methylmalonic acid concentrations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, E7; author reply E8.	7.1	17
40	Targeted metabolomics and mathematical modeling demonstrate that vitamin B-6 restriction alters one-carbon metabolism in cultured HepG2 cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E93-E101.	3.5	13
41	Calculation of steady state conditions and elimination kinetics of red blood cell folate in women of childbearing age after daily supplementation with various forms and doses of folate. <i>American Journal of Clinical Nutrition</i> , 2008, 87, 1537-1538.	4.7	6
42	Effect of supplementation with folic-acid on relation between plasma homocysteine, folate, and vitamin B12. <i>Lancet, The</i> , 2002, 360, 171-172.	13.7	5
43	High Prevalence of Low Serum Biologically Active Testosterone in&#x2013;Older Male Veterans. <i>Journal of the American Medical Directors Association</i> , 2017, 18, 366.e17-366.e24.	2.5	4
44	Commercially Available Insulin Products Demonstrate Stability Throughout the Cold Supply Chain Across the U.S.. <i>Diabetes Care</i> , 2020, 43, 1360-1362.	8.6	4
45	Hypomethylation of Serum Blood Clot DNA, but Not Plasma EDTA-Blood Cell Pellet DNA, from Vitamin B12-Deficient Subjects. <i>PLoS ONE</i> , 2013, 8, e65241.	2.5	2
46	Effect of supplementation with folic-acid on relation between plasma homocysteine, folate, and vitamin B12. <i>Lancet, The</i> , 2002, 360, 172-173.	13.7	1
47	Quantification of Pteridines in Plant&#x2013;Derived Foods by High Performance Liquid Chromatography (HPLC). <i>FASEB Journal</i> , 2007, 21, A346.	0.5	1