

Ralph Green

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

4,361
citations

117571

34
h-index

110317

64
g-index

100
all docs

100
docs citations

100
times ranked

5289
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Vitamin B12 deficiency. <i>Nature Reviews Disease Primers</i> , 2017, 3, 17040. | 18.1 | 543 |
| 2 | Update on Cobalamin, Folate, and Homocysteine. <i>Hematology American Society of Hematology Education Program</i> , 2003, 2003, 62-81. | 0.9 | 294 |
| 3 | Vitamin B12 deficiency from the perspective of a practicing hematologist. <i>Blood</i> , 2017, 129, 2603-2611. | 0.6 | 212 |
| 4 | Artificial Intelligence and Machine Learning in Pathology: The Present Landscape of Supervised Methods. <i>Academic Pathology</i> , 2019, 6, 2374289519873088. | 0.7 | 206 |
| 5 | Plasma Choline Metabolites and Colorectal Cancer Risk in the Women's Health Initiative Observational Study. <i>Cancer Research</i> , 2014, 74, 7442-7452. | 0.4 | 198 |
| 6 | Low folate status is associated with impaired cognitive function and dementia in the Sacramento Area Latino Study on Aging. <i>American Journal of Clinical Nutrition</i> , 2005, 82, 1346-1352. | 2.2 | 162 |
| 7 | Vitamin D Status and Rates of Cognitive Decline in a Multiethnic Cohort of Older Adults. <i>JAMA Neurology</i> , 2015, 72, 1295. | 4.5 | 162 |
| 8 | Biomarkers of vitamin B-12 status in NHANES: a roundtable summary. <i>American Journal of Clinical Nutrition</i> , 2011, 94, 313S-321S. | 2.2 | 157 |
| 9 | Combined indicator of vitamin B12 status: modification for missing biomarkers and folate status and recommendations for revised cut-points. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015, 53, 1215-25. | 1.4 | 127 |
| 10 | Monitoring of vitamin B-12 nutritional status in the United States by using plasma methylmalonic acid and serum vitamin B-12. <i>American Journal of Clinical Nutrition</i> , 2011, 94, 552-561. | 2.2 | 126 |
| 11 | Measurement of Total Vitamin B12 and Holotranscobalamin, Singly and in Combination, in Screening for Metabolic Vitamin B12 Deficiency. <i>Clinical Chemistry</i> , 2006, 52, 278-285. | 1.5 | 125 |
| 12 | Transcobalamin II 775G>C polymorphism and indices of vitamin B12 status in healthy older adults. <i>Blood</i> , 2002, 100, 718-720. | 0.6 | 112 |
| 13 | Megaloblastic Anemias. <i>Medical Clinics of North America</i> , 2017, 101, 297-317. | 1.1 | 110 |
| 14 | Metabolic evidence of vitamin B-12 deficiency, including high homocysteine and methylmalonic acid and low holotranscobalamin, is more pronounced in older adults with elevated plasma folate. <i>American Journal of Clinical Nutrition</i> , 2009, 90, 1586-1592. | 2.2 | 99 |
| 15 | 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. | 2.2 | 95 |
| 16 | Quantitation of in vivo human folate metabolism. <i>American Journal of Clinical Nutrition</i> , 2004, 80, 680-691. | 2.2 | 83 |
| 17 | Global Burden Related to Nitrous Oxide Exposure in Medical and Recreational Settings: A Systematic Review and Individual Patient Data Meta-Analysis. <i>Journal of Clinical Medicine</i> , 2019, 8, 551. | 1.0 | 79 |
| 18 | 6 Metabolite assays in cobalamin and folate deficiency. <i>Best Practice and Research: Clinical Haematology</i> , 1995, 8, 533-566. | 1.1 | 78 |

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|----|--|------|-----------|
| 19 | Vitamin B12 deficiency is the dominant nutritional cause of hyperhomocysteinemia in a folic acid-fortified population. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005, 43, 1048-51. | 1.4 | 72 |
| 20 | Development, History, and Future of Automated Cell Counters. <i>Clinics in Laboratory Medicine</i> , 2015, 35, 1-10. | 0.7 | 70 |
| 21 | Vitamin B12 and Homocysteine Levels Predict Different Outcomes in Early Parkinson's Disease. <i>Movement Disorders</i> , 2018, 33, 762-770. | 2.2 | 64 |
| 22 | Indicators for Assessing Folate and Vitamin B ₁₂ Status and for Monitoring the Efficacy of Intervention Strategies. <i>Food and Nutrition Bulletin</i> , 2008, 29, S52-S63. | 0.5 | 57 |
| 23 | Human vitamin B12 absorption measurement by accelerator mass spectrometry using specifically labeled ¹⁴ C-cobalamin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5694-5699. | 3.3 | 56 |
| 24 | Masking of Macrocytosis by $\hat{\pm}$ -Thalassemia in Blacks with Pernicious Anemia. <i>New England Journal of Medicine</i> , 1982, 307, 1322-1325. | 13.9 | 53 |
| 25 | Is it time for vitamin B-12 fortification? What are the questions?. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 712S-716S. | 2.2 | 52 |
| 26 | Screening for vitamin B ₁₂ Deficiency: Caveat Emptor. <i>Annals of Internal Medicine</i> , 1996, 124, 509. | 2.0 | 51 |
| 27 | High folic acid or folate combined with low vitamin B-12 status: potential but inconsistent association with cognitive function in a nationally representative cross-sectional sample of US older adults participating in the NHANES. <i>American Journal of Clinical Nutrition</i> , 2020, 112, 1547-1557. | 2.2 | 50 |
| 28 | Blueprint for a pop-up SARS-CoV-2 testing lab. <i>Nature Biotechnology</i> , 2020, 38, 791-797. | 9.4 | 50 |
| 29 | Vitamin B-12 treatment of asymptomatic, deficient, elderly Chileans improves conductivity in myelinated peripheral nerves, but high serum folate impairs vitamin B-12 status response assessed by the combined indicator of vitamin B-12 status. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 250-257. | 2.2 | 49 |
| 30 | A Daily Dose of 5 mg Folic Acid for 90 Days Is Associated with Increased Serum Unmetabolized Folic Acid and Reduced Natural Killer Cell Cytotoxicity in Healthy Brazilian Adults. <i>Journal of Nutrition</i> , 2017, 147, 1677-1685. | 1.3 | 48 |
| 31 | Interleukin-6, Age, and Corpus Callosum Integrity. <i>PLoS ONE</i> , 2014, 9, e106521. | 1.1 | 48 |
| 32 | Relationship between serum B12 concentrations and mortality: experience in NHANES. <i>BMC Medicine</i> , 2020, 18, 307. | 2.3 | 44 |
| 33 | Deficient or Excess Folic Acid Supply During Pregnancy Alter Cortical Neurodevelopment in Mouse Offspring. <i>Cerebral Cortex</i> , 2021, 31, 635-649. | 1.6 | 44 |
| 34 | Folate-mediated one-carbon metabolism genes and interactions with nutritional factors on colorectal cancer risk: Women's Health Initiative Observational Study. <i>Cancer</i> , 2015, 121, 3684-3691. | 2.0 | 38 |
| 35 | Evaluation of Macrocytic Anemias. <i>Seminars in Hematology</i> , 2015, 52, 279-286. | 1.8 | 38 |
| 36 | Comparison of real-time microvascular abnormalities in pediatric and adult sickle cell anemia patients. <i>American Journal of Hematology</i> , 2010, 85, 899-901. | 2.0 | 32 |

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|----|--|-----|-----------|
| 37 | Hematological Disorders following Gastric Bypass Surgery: Emerging Concepts of the Interplay between Nutritional Deficiency and Inflammation. <i>BioMed Research International</i> , 2013, 2013, 1-8. | 0.9 | 32 |
| 38 | Neutrophil Nuclear Segmentation in Mild Cobalamin Deficiency: Relation to Metabolic Tests of Cobalamin Status and Observations on Ethnic Differences in Neutrophil Segmentation. <i>American Journal of Clinical Pathology</i> , 1996, 106, 57-63. | 0.4 | 29 |
| 39 | Valproate and folate: Congenital and developmental risks. <i>Epilepsy and Behavior</i> , 2020, 108, 107068. | 0.9 | 27 |
| 40 | Vitamin B12 deficiency. <i>Vitamins and Hormones</i> , 2022, 119, 405-439. | 0.7 | 27 |
| 41 | Maternal obesity disrupts the methionine cycle in baboon pregnancy. <i>Physiological Reports</i> , 2015, 3, e12564. | 0.7 | 26 |
| 42 | Enterohepatic circulation of cobalamin in the nonhuman primate. <i>Gastroenterology</i> , 1981, 81, 773-776. | 0.6 | 23 |
| 43 | Anemias beyond B12 and iron deficiency: the buzz about other B's, elementary, and nonelementary problems. <i>Hematology American Society of Hematology Education Program</i> , 2012, 2012, 492-498. | 0.9 | 21 |
| 44 | Wolffia globosa "Mankai Plant-Based Protein Contains Bioactive Vitamin B12 and Is Well Absorbed in Humans. <i>Nutrients</i> , 2020, 12, 3067. | 1.7 | 21 |
| 45 | Relationship of Cerebrospinal Fluid Vitamin B12 Status Markers With Parkinson's Disease Progression. <i>Movement Disorders</i> , 2020, 35, 1466-1471. | 2.2 | 21 |
| 46 | Serum Transferrin Receptor Level Is Not Altered in Invasive Adenocarcinoma of the Breast. <i>American Journal of Clinical Pathology</i> , 1993, 99, 232-237. | 0.4 | 20 |
| 47 | Red blood cell folate and plasma folate are not associated with risk of incident colorectal cancer in the Women's Health Initiative observational study. <i>International Journal of Cancer</i> , 2015, 137, 930-939. | 2.3 | 20 |
| 48 | The Human Serum Metabolome of Vitamin B-12 Deficiency and Repletion, and Associations with Neurological Function in Elderly Adults. <i>Journal of Nutrition</i> , 2017, 147, 1839-1849. | 1.3 | 18 |
| 49 | Vitamin B12 added as a fortificant to flour retains high bioavailability when baked in bread. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 438, 136-140. | 0.6 | 16 |
| 50 | Exchange Transfusion Therapy and Its Effects on Real-time Microcirculation in Pediatric Sickle Cell Anemia Patients. <i>Journal of Pediatric Hematology/Oncology</i> , 2012, 34, 169-174. | 0.3 | 13 |
| 51 | Educational and Career Development Outcomes Among Undergraduate Summer Research Interns: A Pipeline for Pathology, Laboratory Medicine, and Biomedical Science. <i>Academic Pathology</i> , 2019, 6, 2374289519893105. | 0.7 | 10 |
| 52 | Relationship between Insulin-Resistance Processing Speed and Specific Executive Function Profiles in Neurologically Intact Older Adults. <i>Journal of the International Neuropsychological Society</i> , 2015, 21, 622-628. | 1.2 | 9 |
| 53 | Expression Changes in Epigenetic Gene Pathways Associated With One-Carbon Nutritional Metabolites in Maternal Blood From Pregnancies Resulting in Autism and Non-Typical Neurodevelopment. <i>Autism Research</i> , 2021, 14, 11-28. | 2.1 | 8 |
| 54 | A method for campus-wide SARS-CoV-2 surveillance at a large public university. <i>PLoS ONE</i> , 2021, 16, e0261230. | 1.1 | 8 |

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|----|--|-----|-----------|
| 55 | Detection of Epstein-Barr virus (EBV) in human lymphoma tissue by a novel microbial detection array. Biomarker Research, 2014, 2, 24. | 2.8 | 7 |
| 56 | Lectin-like oxidized low-density lipoprotein receptor (LOX-1) in sickle cell disease vasculopathy. Blood Cells, Molecules, and Diseases, 2016, 60, 44-48. | 0.6 | 7 |
| 57 | Prevalence of Inherited Hemoglobin Disorders and Relationships with Anemia and Micronutrient Status among Children in Yaoundé and Douala, Cameroon. Nutrients, 2017, 9, 693. | 1.7 | 7 |
| 58 | Life After Being a Pathology Department Chair III: Reflections on the "Afterlife". Academic Pathology, 2019, 6, 2374289519846068. | 0.7 | 7 |
| 59 | 14C-Cobalamin Absorption from Endogenously Labeled Chicken Eggs Assessed in Humans Using Accelerator Mass Spectrometry. Nutrients, 2019, 11, 2148. | 1.7 | 7 |
| 60 | Homocysteine is associated with severity of microvasculopathy in sickle cell disease patients. British Journal of Haematology, 2020, 190, 450-457. | 1.2 | 7 |
| 61 | Macrocytic and Marrow Failure Anemias. Laboratory Medicine, 1999, 30, 595-599. | 0.8 | 6 |
| 62 | Daily supplementation with 5 mg of folic acid in Brazilian patients with hereditary spherocytosis. Journal of Investigative Medicine, 2019, 67, 1110-1117. | 0.7 | 6 |
| 63 | Folate Deficiency Inhibits Development of the Mammary Gland and its Associated Lymphatics in FVB Mice. Journal of Nutrition, 2020, 150, 2120-2130. | 1.3 | 6 |
| 64 | Protean H pylori: perhaps "pernicious" too?. Blood, 2006, 107, 1247-1247. | 0.6 | 5 |
| 65 | Oral Administration of Carbon-14 Labeled Cyanocobalamin (14C-Cbl) Reveals Variable Degradation of Vitamin B12 in the Gastrointestinal Tract That Impacts Vitamin B12 Absorption and Status.. Blood, 2009, 114, 3018-3018. | 0.6 | 5 |
| 66 | Enumeration of bone marrow plasmacytoid dendritic cells by multiparameter flow cytometry as a prognostic marker following allogeneic hematopoietic stem cell transplantation. Blood Cells, Molecules, and Diseases, 2018, 69, 107-112. | 0.6 | 4 |
| 67 | WDFY3 mutation alters laminar position and morphology of cortical neurons. Molecular Autism, 2022, 13, . | 2.6 | 4 |
| 68 | Peripheral neuropathy risk and a transcobalamin polymorphism: connecting the dots between excessive folate intake and disease susceptibility. American Journal of Clinical Nutrition, 2016, 104, 1495-1496. | 2.2 | 3 |
| 69 | Linking vitamin B12 and a trembling disorder. Cell Research, 2019, 29, 343-344. | 5.7 | 3 |
| 70 | Assessing vitamin B-12 absorption and bioavailability: read the label. American Journal of Clinical Nutrition, 2020, 112, 1420-1421. | 2.2 | 3 |
| 71 | Serum folate and cytokines in heterozygous β^0 -thalassemia. International Journal of Laboratory Hematology, 2020, 42, 718-726. | 0.7 | 3 |
| 72 | Cobalamin supplements for infants: a shot in the cradle?. American Journal of Clinical Nutrition, 2013, 98, 1149-1150. | 2.2 | 2 |

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|----|--|-----|-----------|
| 73 | Sickle cell disease and the unmet challenges of neurologic complications. <i>Neurology</i> , 2017, 89, 1439-1440. | 1.5 | 2 |
| 74 | Associations between Genetic Variants and Blood Biomarkers of One-Carbon Metabolism in Postmenopausal Women from the Women's Health Initiative Observational Study. <i>Journal of Nutrition</i> , 2022, 152, 1099-1106. | 1.3 | 2 |
| 75 | Reply to LR Solomon. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 1379. | 2.2 | 1 |
| 76 | 25-Hydroxyvitamin D in Patients With Cognitive Decline—Reply. <i>JAMA Neurology</i> , 2016, 73, 358. | 4.5 | 1 |
| 77 | The gastric intrinsic factor polymorphism, A68G, modifies the association between the transcobalamin polymorphism, C776G, and vitamin B12 status. <i>FASEB Journal</i> , 2008, 22, 296.6. | 0.2 | 1 |
| 78 | CBMT-21. ALTERATIONS OF CYSTEINE METABOLISM IN GENETIC VARIANTS OF HIGH GRADE GLIOMAS. <i>Neuro-Oncology</i> , 2018, 20, vi37-vi37. | 0.6 | 0 |
| 79 | Megaloblastic Anemia. , 2021, , 47-51. | | 0 |
| 80 | The ratio of holotranscobalamin to total B12: associations with transcobalamin genotype, methylmalonic acid, and homocysteine. <i>FASEB Journal</i> , 2006, 20, A859. | 0.2 | 0 |
| 81 | Measurement of vitamin B12 absorption in a human subject using ^{14}C -B12. <i>FASEB Journal</i> , 2006, 20, A858. | 0.2 | 0 |
| 82 | Model to estimate in vivo enrichment of beef muscle and liver with ^{14}C -vitamin B12 (^{14}C -B12). <i>FASEB Journal</i> , 2008, 22, 865.5. | 0.2 | 0 |
| 83 | Inhibition of DNMT1 with 5-aza-2'-deoxycytidine induces expression of tumor antigens (GAGE, MAGE, PAGE). <i>TJ ETQq</i> 1 1 0.78 | 0.2 | 0 |
| 84 | Elevated plasma folate in older adults is associated with more pronounced evidence of vitamin B12 deficiency, including high homocysteine and methylmalonic acid and low holotranscobalamin. <i>FASEB Journal</i> , 2009, 23, 335.5. | 0.2 | 0 |
| 85 | Evidence that physiological doses of vitamin B12 are metabolized or degraded in the gastrointestinal tract: implications for vitamin B12 bioavailability and fortification. <i>FASEB Journal</i> , 2009, 23, 335.6. | 0.2 | 0 |
| 86 | Diverse effects of DNMT1 inhibition and MBD2 knockdown on gene expression in Hep3B and HepG2 cells. <i>FASEB Journal</i> , 2009, 23, 925.5. | 0.2 | 0 |
| 87 | In vivo enrichment of chicken eggs with ^{14}C -B12 for determining vitamin B12 bioavailability in humans. <i>FASEB Journal</i> , 2010, 24, 915.12. | 0.2 | 0 |
| 88 | Homocysteine, cysteine and risk of incident colorectal cancer in the Women's Health Initiative Observational Cohort. <i>FASEB Journal</i> , 2011, 25, 214.8. | 0.2 | 0 |
| 89 | Vitamin B12 is inversely correlated with latency of multifocal visual evoked potential in healthy older adults. <i>FASEB Journal</i> , 2011, 25, 97.2. | 0.2 | 0 |
| 90 | Exchange transfusion therapy and its effects on real-time microcirculation in pediatric sickle cell anemia patients. <i>FASEB Journal</i> , 2012, 26, 832.8. | 0.2 | 0 |

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| 91 | Expression of tumor suppressor genes in diet-induced liver injury: a model of the control of gene expression by gene-specific CpG island methylation. <i>FASEB Journal</i> , 2012, 26, 116.2. | 0.2 | 0 |
| 92 | Increased Circulating Soluble Lectin-Like Oxidized Low-Density Lipoprotein Receptor (sLOX-1) and Increased Endothelial Cell Expression of LOX-1 in Sickle Cell Disease (SCD): A Novel Marker for SCD Vasculopathy?. <i>Blood</i> , 2012, 120, 246-246. | 0.6 | 0 |
| 93 | Monocyte Chemotactic Protein-1 Is Associated with Microvascular Abnormalities and Serum Ferritin Concentrations in Sickle Cell Disease Patients. <i>Blood</i> , 2012, 120, 3255-3255. | 0.6 | 0 |
| 94 | Comprehensive Analysis Of Microbial Signatures For Lymphomagenesis Using a Novel Microbial Detection Array. <i>Blood</i> , 2013, 122, 4282-4282. | 0.6 | 0 |
| 95 | Elevated Serum Folic Acid Concentrations Were Associated with Higher mRNA Expression of DHFR Gene in Patients with Hereditary Spherocytosis. <i>Blood</i> , 2014, 124, 4005-4005. | 0.6 | 0 |
| 96 | Vitamin D Status Predicts Rates of Cognitive Decline in a Multi-Ethnic Cohort of Older Adults. <i>FASEB Journal</i> , 2015, 29, 253.2. | 0.2 | 0 |
| 97 | High Dose (5mg) Daily Folic Acid Supplement in Healthy Brazilian Volunteers Increases Mononuclear TNF- α Expression and Reduces NK Cell Number and Activity. <i>Blood</i> , 2015, 126, 4531-4531. | 0.6 | 0 |