

Ralph Green

List of Publications by Year in descending order

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97
papers

4,361
citations

117625

34
h-index

110387

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.	30.5	543
2	Update on Cobalamin, Folate, and Homocysteine. <i>Hematology American Society of Hematology Education Program</i> , 2003, 2003, 62-81.	2.5	294
3	Vitamin B12 deficiency from the perspective of a practicing hematologist. <i>Blood</i> , 2017, 129, 2603-2611.	1.4	212
4	Artificial Intelligence and Machine Learning in Pathology: The Present Landscape of Supervised Methods. <i>Academic Pathology</i> , 2019, 6, 2374289519873088.	1.1	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.	0.9	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.	4.7	162
7	Vitamin D Status and Rates of Cognitive Decline in a Multiethnic Cohort of Older Adults. <i>JAMA Neurology</i> , 2015, 72, 1295.	9.0	162
8	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
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.	2.3	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.	4.7	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.	3.2	125
12	Transcobalamin II 775G>C polymorphism and indices of vitamin B12 status in healthy older adults. <i>Blood</i> , 2002, 100, 718-720.	1.4	112
13	Megaloblastic Anemias. <i>Medical Clinics of North America</i> , 2017, 101, 297-317.	2.5	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.	4.7	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.	4.7	95
16	Quantitation of in vivo human folate metabolism. <i>American Journal of Clinical Nutrition</i> , 2004, 80, 680-691.	4.7	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.	2.4	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.	2.3	72
20	Development, History, and Future of Automated Cell Counters. <i>Clinics in Laboratory Medicine</i> , 2015, 35, 1-10.	1.4	70
21	Vitamin B12 and Homocysteine Levels Predict Different Outcomes in Early Parkinson's Disease. <i>Movement Disorders</i> , 2018, 33, 762-770.	3.9	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.	1.4	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.	7.1	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.	27.0	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.	4.7	52
26	Screening for vitamin B ₁₂ Deficiency: Caveat Emptor. <i>Annals of Internal Medicine</i> , 1996, 124, 509.	3.9	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.	4.7	50
28	Blueprint for a pop-up SARS-CoV-2 testing lab. <i>Nature Biotechnology</i> , 2020, 38, 791-797.	17.5	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.	4.7	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.	2.9	48
31	Interleukin-6, Age, and Corpus Callosum Integrity. <i>PLoS ONE</i> , 2014, 9, e106521.	2.5	48
32	Relationship between serum B12 concentrations and mortality: experience in NHANES. <i>BMC Medicine</i> , 2020, 18, 307.	5.5	44
33	Deficient or Excess Folic Acid Supply During Pregnancy Alter Cortical Neurodevelopment in Mouse Offspring. <i>Cerebral Cortex</i> , 2021, 31, 635-649.	2.9	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.	4.1	38
35	Evaluation of Macrocytic Anemias. <i>Seminars in Hematology</i> , 2015, 52, 279-286.	3.4	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.	4.1	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.	1.9	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.	0.7	29
39	Valproate and folate: Congenital and developmental risks. <i>Epilepsy and Behavior</i> , 2020, 108, 107068.	1.7	27
40	Vitamin B12 deficiency. <i>Vitamins and Hormones</i> , 2022, 119, 405-439.	1.7	27
41	Maternal obesity disrupts the methionine cycle in baboon pregnancy. <i>Physiological Reports</i> , 2015, 3, e12564.	1.7	26
42	Enterohaptic circulation of cobalamin in the nonhuman primate. <i>Gastroenterology</i> , 1981, 81, 773-776.	1.3	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.	2.5	21
44	Wolffia globosa "Mankai Plant-Based Protein Contains Bioactive Vitamin B12 and Is Well Absorbed in Humans. <i>Nutrients</i> , 2020, 12, 3067.	4.1	21
45	Relationship of Cerebrospinal Fluid Vitamin B12 Status Markers With Parkinson's Disease Progression. <i>Movement Disorders</i> , 2020, 35, 1466-1471.	3.9	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.	0.7	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.	5.1	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.	2.9	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.	1.4	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.	0.6	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.	1.1	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.	1.8	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.	3.8	8
54	A method for campus-wide SARS-CoV-2 surveillance at a large public university. <i>PLoS ONE</i> , 2021, 16, e0261230.	2.5	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.	6.8	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.	1.4	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.	4.1	7
58	Life After Being a Pathology Department Chair III: Reflections on the "Afterlife". Academic Pathology, 2019, 6, 2374289519846068.	1.1	7
59	¹⁴ C-Cobalamin Absorption from Endogenously Labeled Chicken Eggs Assessed in Humans Using Accelerator Mass Spectrometry. Nutrients, 2019, 11, 2148.	4.1	7
60	Homocysteine is associated with severity of microvasculopathy in sickle cell disease patients. British Journal of Haematology, 2020, 190, 450-457.	2.5	7
61	Macrocytic and Marrow Failure Anemias. Laboratory Medicine, 1999, 30, 595-599.	1.2	6
62	Daily supplementation with 5 mg of folic acid in Brazilian patients with hereditary spherocytosis. Journal of Investigative Medicine, 2019, 67, 1110-1117.	1.6	6
63	Folate Deficiency Inhibits Development of the Mammary Gland and its Associated Lymphatics in FVB Mice. Journal of Nutrition, 2020, 150, 2120-2130.	2.9	6
64	Protean H pylori: perhaps "pernicious" too?. Blood, 2006, 107, 1247-1247.	1.4	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.	1.4	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.	1.4	4
67	WDFY3 mutation alters laminar position and morphology of cortical neurons. Molecular Autism, 2022, 13, .	4.9	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.	4.7	3
69	Linking vitamin B12 and a trembling disorder. Cell Research, 2019, 29, 343-344.	12.0	3
70	Assessing vitamin B-12 absorption and bioavailability: read the label. American Journal of Clinical Nutrition, 2020, 112, 1420-1421.	4.7	3
71	Serum folate and cytokines in heterozygous β^0 -thalassemia. International Journal of Laboratory Hematology, 2020, 42, 718-726.	1.3	3
72	Cobalamin supplements for infants: a shot in the cradle?. American Journal of Clinical Nutrition, 2013, 98, 1149-1150.	4.7	2

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73	Sickle cell disease and the unmet challenges of neurologic complications. <i>Neurology</i> , 2017, 89, 1439-1440.	1.1	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.	2.9	2
75	Reply to LR Solomon. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 1379.	4.7	1
76	25-Hydroxyvitamin D in Patients With Cognitive Decline—Reply. <i>JAMA Neurology</i> , 2016, 73, 358.	9.0	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.	0.5	1
78	CBMT-21. ALTERATIONS OF CYSTEINE METABOLISM IN GENETIC VARIANTS OF HIGH GRADE GLIOMAS. <i>Neuro-Oncology</i> , 2018, 20, vi37-vi37.	1.2	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.	0.5	0
81	Measurement of vitamin B12 absorption in a human subject using ¹⁴ C-B12. <i>FASEB Journal</i> , 2006, 20, A858.	0.5	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.	0.5	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	0.5	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.	0.5	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.	0.5	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.	0.5	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.	0.5	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.	0.5	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.	0.5	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.	0.5	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.	0.5	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.	1.4	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.	1.4	0
94	Comprehensive Analysis Of Microbial Signatures For Lymphomagenesis Using a Novel Microbial Detection Array. <i>Blood</i> , 2013, 122, 4282-4282.	1.4	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.	1.4	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.	0.5	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.	1.4	0