

# Anitra C Carr

## 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.

80  
papers

4,683  
citations

32  
h-index

68  
g-index

94  
ext. papers

5,825  
ext. citations

6  
avg, IF

6.81  
L-index

#	Paper	IF	Citations
80	Vitamin C and Immune Function. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	606
79	Toward a new recommended dietary allowance for vitamin C based on antioxidant and health effects in humans. <i>American Journal of Clinical Nutrition</i> , <b>1999</b> , 69, 1086-107	7	580
78	Optimal Nutritional Status for a Well-Functioning Immune System Is an Important Factor to Protect against Viral Infections. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	357
77	Oxidation of LDL by myeloperoxidase and reactive nitrogen species: reaction pathways and antioxidant protection. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2000</b> , 20, 1716-23	9.4	306
76	Potential antiatherogenic mechanisms of ascorbate (vitamin C) and alpha-tocopherol (vitamin E). <i>Circulation Research</i> , <b>2000</b> , 87, 349-54	15.7	244
75	The Roles of Vitamin C in Skin Health. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	188
74	Hypovitaminosis C and vitamin C deficiency in critically ill patients despite recommended enteral and parenteral intakes. <i>Critical Care</i> , <b>2017</b> , 21, 300	10.8	172
73	Ascorbate-dependent vasopressor synthesis: a rationale for vitamin C administration in severe sepsis and septic shock?. <i>Critical Care</i> , <b>2015</b> , 19, 418	10.8	128
72	A new clinical trial to test high-dose vitamin C in patients with COVID-19. <i>Critical Care</i> , <b>2020</b> , 24, 133	10.8	126
71	Chlorination of cholesterol in cell membranes by hypochlorous acid. <i>Archives of Biochemistry and Biophysics</i> , <b>1996</b> , 332, 63-9	4.1	106
70	Oxidation of neutrophil glutathione and protein thiols by myeloperoxidase-derived hypochlorous acid. <i>Biochemical Journal</i> , <b>1997</b> , 327 ( Pt 1), 275-81	3.8	94
69	Vitamin C suppresses oxidative lipid damage in vivo, even in the presence of iron overload. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2000</b> , 279, E1406-12	6	79
68	Myeloperoxidase binds to low-density lipoprotein: potential implications for atherosclerosis. <i>FEBS Letters</i> , <b>2000</b> , 487, 176-80	3.8	79
67	Let them eat fruit! The effect of fruit and vegetable consumption on psychological well-being in young adults: A randomized controlled trial. <i>PLoS ONE</i> , <b>2017</b> , 12, e0171206	3.7	73
66	The role of vitamin C in the treatment of pain: new insights. <i>Journal of Translational Medicine</i> , <b>2017</b> , 15, 77	8.5	64
65	Relative reactivities of N-chloramines and hypochlorous acid with human plasma constituents. <i>Free Radical Biology and Medicine</i> , <b>2001</b> , 30, 526-36	7.8	64
64	Red wine antioxidants bind to human lipoproteins and protect them from metal ion-dependent and -independent oxidation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2001</b> , 49, 4442-9	5.7	59

63	The effect of intravenous vitamin C on cancer- and chemotherapy-related fatigue and quality of life. <i>Frontiers in Oncology</i> , <b>2014</b> , 4, 283	5.3	55
62	Synthetic or food-derived vitamin C--are they equally bioavailable?. <i>Nutrients</i> , <b>2013</b> , 5, 4284-304	6.7	54
61	Intravenous Vitamin C for Cancer Therapy - Identifying the Current Gaps in Our Knowledge. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1182	4.6	54
60	Vitamin C-An Adjunctive Therapy for Respiratory Infection, Sepsis and COVID-19. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	53
59	Enhanced human neutrophil vitamin C status, chemotaxis and oxidant generation following dietary supplementation with vitamin C-rich SunGold kiwifruit. <i>Nutrients</i> , <b>2015</b> , 7, 2574-88	6.7	52
58	Human skeletal muscle ascorbate is highly responsive to changes in vitamin C intake and plasma concentrations. <i>American Journal of Clinical Nutrition</i> , <b>2013</b> , 97, 800-7	7	52
57	Peroxidase-mediated bromination of unsaturated fatty acids to form bromohydrins. <i>Archives of Biochemistry and Biophysics</i> , <b>1996</b> , 327, 227-33	4.1	48
56	Global Vitamin C Status and Prevalence of Deficiency: A Cause for Concern?. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	44
55	Vitamin C Status Correlates with Markers of Metabolic and Cognitive Health in 50-Year-Olds: Findings of the CHALICE Cohort Study. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	42
54	Factors Affecting Vitamin C Status and Prevalence of Deficiency: A Global Health Perspective. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	39
53	Appropriate Handling, Processing and Analysis of Blood Samples Is Essential to Avoid Oxidation of Vitamin C to Dehydroascorbic Acid. <i>Antioxidants</i> , <b>2018</b> , 7,	7.1	38
52	Differential reactivities of hypochlorous and hypobromous acids with purified Escherichia coli phospholipid: formation of haloamines and halohydrins. <i>Lipids and Lipid Metabolism</i> , <b>1998</b> , 1392, 254-64		37
51	Bioavailability of vitamin C from kiwifruit in non-smoking males: determination of 'healthy' and 'optimal' intakes. <i>Journal of Nutritional Science</i> , <b>2012</b> , 1, e14	2.7	35
50	The nitric oxide congener nitrite inhibits myeloperoxidase/H <sub>2</sub> O <sub>2</sub> /Cl <sup>-</sup> -mediated modification of low density lipoprotein. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 1822-8	5.4	35
49	The development and effectiveness of an ecological momentary intervention to increase daily fruit and vegetable consumption in low-consuming young adults. <i>Appetite</i> , <b>2017</b> , 108, 32-41	4.5	32
48	Ldl modified by hypochlorous acid is a potent inhibitor of lecithin-cholesterol acyltransferase activity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2001</b> , 21, 1040-5	9.4	30
47	Assays using horseradish peroxidase and phenolic substrates require superoxide dismutase for accurate determination of hydrogen peroxide production by neutrophils. <i>Free Radical Biology and Medicine</i> , <b>1994</b> , 17, 161-4	7.8	29
46	Pyrrrolidine dithiocarbamate is a potent antioxidant against hypochlorous acid-induced protein damage. <i>FEBS Letters</i> , <b>2002</b> , 532, 80-4	3.8	28

45	Discrepancies in global vitamin C recommendations: a review of RDA criteria and underlying health perspectives. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 61, 742-755	11.5	28
44	A randomized steady-state bioavailability study of synthetic versus natural (kiwifruit-derived) vitamin C. <i>Nutrients</i> , <b>2013</b> , 5, 3684-95	6.7	25
43	Human neutrophils oxidize low-density lipoprotein by a hypochlorous acid-dependent mechanism: the role of vitamin C. <i>Biological Chemistry</i> , <b>2002</b> , 383, 627-36	4.5	25
42	Reply to "Comment on: Optimal Nutritional Status for a Well-Functioning Immune System Is an Important Factor to Protect against Viral Infections. 2020, , 1181". <i>Nutrients</i> , <b>2020</b> , 12,	6.7	25
41	The Role of Physiological Vitamin C Concentrations on Key Functions of Neutrophils Isolated from Healthy Individuals. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	24
40	The bioavailability of vitamin C from kiwifruit. <i>Advances in Food and Nutrition Research</i> , <b>2013</b> , 68, 125-47 6		24
39	Free radical inactivation of rabbit muscle creatinine kinase: catalysis by physiological and hydrolyzed ICRF-187 (ICRF-198) iron chelates. <i>Free Radical Research</i> , <b>1994</b> , 21, 387-97	4	24
38	Myeloperoxidase-dependent caspase-3 activation and apoptosis in HL-60 cells: protection by the antioxidants ascorbate and (dihydro)lipoic acid. <i>Redox Report</i> , <b>2002</b> , 7, 47-53	5.9	23
37	Mood improvement in young adult males following supplementation with gold kiwifruit, a high-vitamin C food. <i>Journal of Nutritional Science</i> , <b>2013</b> , 2, e24	2.7	22
36	High Vitamin C Status Is Associated with Elevated Mood in Male Tertiary Students. <i>Antioxidants</i> , <b>2018</b> , 7,	7.1	22
35	Vitamin C administration in the critically ill: a summary of recent meta-analyses. <i>Critical Care</i> , <b>2019</b> , 23, 265	10.8	20
34	Patients with Community Acquired Pneumonia Exhibit Depleted Vitamin C Status and Elevated Oxidative Stress. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	19
33	Harm of IV High-Dose Vitamin C Therapy in Adult Patients: A Scoping Review. <i>Critical Care Medicine</i> , <b>2020</b> , 48, e620-e628	1.4	19
32	SunGold Kiwifruit Supplementation of Individuals with Prediabetes Alters Gut Microbiota and Improves Vitamin C Status, Anthropometric and Clinical Markers. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	17
31	A randomised cross-over pharmacokinetic bioavailability study of synthetic versus kiwifruit-derived vitamin C. <i>Nutrients</i> , <b>2013</b> , 5, 4451-61	6.7	17
30	Marginal Ascorbate Status (Hypovitaminosis C) Results in an Attenuated Response to Vitamin C Supplementation. <i>Nutrients</i> , <b>2016</b> , 8,	6.7	17
29	Vitamin C and Neutrophil Function: Findings from Randomized Controlled Trials. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	16
28	The Use of Intravenous Vitamin C as a Supportive Therapy for a Patient with Glioblastoma Multiforme. <i>Antioxidants</i> , <b>2018</b> , 7,	7.1	14

27	Relief from cancer chemotherapy side effects with pharmacologic vitamin C. <i>New Zealand Medical Journal</i> , <b>2014</b> , 127, 66-70	0.8	14
26	Nuclear magnetic resonance characterization of 6 alpha-chloro-5 beta-cholestane-3 beta,5-diol formed from the reaction of hypochlorous acid with cholesterol. <i>Lipids</i> , <b>1997</b> , 32, 363-7	1.6	13
25	Vitamin C Administration by Intravenous Infusion Increases Tumor Ascorbate Content in Patients With Colon Cancer: A Clinical Intervention Study. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 600715	5.3	10
24	Micronutrient status of COVID-19 patients: a critical consideration. <i>Critical Care</i> , <b>2020</b> , 24, 349	10.8	9
23	No Reported Renal Stones with Intravenous Vitamin C Administration: A Prospective Case Series Study. <i>Antioxidants</i> , <b>2018</b> , 7,	7.1	9
22	Circulating myeloperoxidase is elevated in septic shock and is associated with systemic organ failure and mortality in critically ill patients. <i>Free Radical Biology and Medicine</i> , <b>2020</b> , 152, 462-468	7.8	9
21	Patients Undergoing Myeloablative Chemotherapy and Hematopoietic Stem Cell Transplantation Exhibit Depleted Vitamin C Status in Association with Febrile Neutropenia. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	8
20	Intravenous vitamin C administration to patients with septic shock: a pilot randomised controlled trial.. <i>Critical Care</i> , <b>2022</b> , 26, 26	10.8	8
19	Parenteral vitamin C for palliative care of terminal cancer patients. <i>New Zealand Medical Journal</i> , <b>2014</b> , 127, 84-6	0.8	7
18	Intravenous Vitamin C Administration Improved Blood Cell Counts and Health-Related Quality of Life of Patient with History of Relapsed Acute Myeloid Leukaemia. <i>Antioxidants</i> , <b>2018</b> , 7,	7.1	6
17	Vitamin C Intervention for Critical COVID-19: A Pragmatic Review of the Current Level of Evidence. <i>Life</i> , <b>2021</b> , 11,	3	6
16	Reply to "Overstated Claims of Efficacy and Safety. Comment On: Optimal Nutritional Status for a Well-Functioning Immune System Is an Important Factor to Protect against Viral Infections. 2020, , 1181". <i>Nutrients</i> , <b>2020</b> , 12,	6.7	6
15	The effect of conservative oxygen therapy on systemic biomarkers of oxidative stress in critically ill patients. <i>Free Radical Biology and Medicine</i> , <b>2020</b> , 160, 13-18	7.8	6
14	Vitamin C in Pneumonia and Sepsis <b>2020</b> , 115-135		5
13	Erythrocyte Ascorbate Is a Potential Indicator of Steady-State Plasma Ascorbate Concentrations in Healthy Non-Fasting Individuals. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	4
12	Positive Association of Ascorbate and Inverse Association of Urate with Cognitive Function in People with Parkinson's Disease. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	4
11	Is the VITAMINS RCT indicating potential redundancy between corticosteroids and vitamin C?. <i>Critical Care</i> , <b>2020</b> , 24, 129	10.8	4
10	Good nutrition matters: hypovitaminosis C associated with depressed mood and poor wound healing. <i>New Zealand Medical Journal</i> , <b>2012</b> , 125, 107-9	0.8	4

9	Neutrophils Isolated from Septic Patients Exhibit Elevated Uptake of Vitamin C and Normal Intracellular Concentrations despite a Low Vitamin C Milieu. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	3
8	Is "Mega-Dose" IV Vitamin C Required for Septic and Critical Coronavirus Disease 2019 Patients?. <i>Critical Care Medicine</i> , <b>2021</b> , 49, e477-e478	1.4	3
7	Vitamin C supplementation and kidney stone risk. <i>New Zealand Medical Journal</i> , <b>2013</b> , 126, 133-4	0.8	3
6	Duration of intravenous vitamin C therapy is a critical consideration. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , <b>2019</b> , 21, 220-221	2.8	3
5	Peroxiredoxin 2 oxidation reveals hydrogen peroxide generation within erythrocytes during high-dose vitamin C administration. <i>Redox Biology</i> , <b>2021</b> , 43, 101980	11.3	2
4	Circulating protein carbonyls are specifically elevated in critically ill patients with pneumonia relative to other sources of sepsis. <i>Free Radical Biology and Medicine</i> , <b>2021</b> , 179, 208-208	7.8	1
3	Micronutrients and respiratory infections: the biological rationale and current state of clinical evaluation. <i>British Journal of Hospital Medicine (London, England: 2005)</i> , <b>2021</b> , 82, 1-8	0.8	1
2	Can a simple chemical help to both prevent and treat sepsis. <i>Critical Care</i> , <b>2018</b> , 22, 247	10.8	1
1	Vitamin C Symposium 2019 Vitamin C for Cancer and Infection: From Bench to Bedside Proceedings ( <i>mdpi</i> ), <b>2019</b> , 5, 3	0.3	0