

Anitra C Carr

List of Publications by Year in descending order

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89
papers

7,051
citations

94269

37
h-index

60497

81
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94
all docs

94
docs citations

94
times ranked

7912
citing authors

#	ARTICLE	IF	CITATIONS
1	Vitamin C and Immune Function. <i>Nutrients</i> , 2017, 9, 1211.	1.7	1,072
2	Toward a new recommended dietary allowance for vitamin C based on antioxidant and health effects in humans. <i>American Journal of Clinical Nutrition</i> , 1999, 69, 1086-1107.	2.2	729
3	Optimal Nutritional Status for a Well-Functioning Immune System Is an Important Factor to Protect against Viral Infections. <i>Nutrients</i> , 2020, 12, 1181.	1.7	585
4	The Roles of Vitamin C in Skin Health. <i>Nutrients</i> , 2017, 9, 866.	1.7	360
5	Oxidation of LDL by Myeloperoxidase and Reactive Nitrogen Species. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000, 20, 1716-1723.	1.1	357
6	Hypovitaminosis C and vitamin C deficiency in critically ill patients despite recommended enteral and parenteral intakes. <i>Critical Care</i> , 2017, 21, 300.	2.5	290
7	Potential Antiatherogenic Mechanisms of Ascorbate (Vitamin C) and α -Tocopherol (Vitamin E). <i>Circulation Research</i> , 2000, 87, 349-354.	2.0	275
8	Ascorbate-dependent vasopressor synthesis: a rationale for vitamin C administration in severe sepsis and septic shock?. <i>Critical Care</i> , 2015, 19, 418.	2.5	191
9	A new clinical trial to test high-dose vitamin C in patients with COVID-19. <i>Critical Care</i> , 2020, 24, 133.	2.5	166
10	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> , 2017, 12, e0171206.	1.1	125
11	Vitamin C: An Adjunctive Therapy for Respiratory Infection, Sepsis and COVID-19. <i>Nutrients</i> , 2020, 12, 3760.	1.7	123
12	Chlorination of Cholesterol in Cell Membranes by Hypochlorous Acid. <i>Archives of Biochemistry and Biophysics</i> , 1996, 332, 63-69.	1.4	120
13	Global Vitamin C Status and Prevalence of Deficiency: A Cause for Concern?. <i>Nutrients</i> , 2020, 12, 2008.	1.7	118
14	The Emerging Role of Vitamin C in the Prevention and Treatment of COVID-19. <i>Nutrients</i> , 2020, 12, 3286.	1.7	102
15	The role of vitamin C in the treatment of pain: new insights. <i>Journal of Translational Medicine</i> , 2017, 15, 77.	1.8	100
16	Factors Affecting Vitamin C Status and Prevalence of Deficiency: A Global Health Perspective. <i>Nutrients</i> , 2020, 12, 1963.	1.7	100
17	Oxidation of neutrophil glutathione and protein thiols by myeloperoxidase-derived hypochlorous acid. <i>Biochemical Journal</i> , 1997, 327, 275-281.	1.7	98
18	Vitamin C suppresses oxidative lipid damage in vivo, even in the presence of iron overload. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000, 279, E1406-E1412.	1.8	97

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19	Myeloperoxidase binds to low-density lipoprotein: potential implications for atherosclerosis. <i>FEBS Letters</i> , 2000, 487, 176-180.	1.3	86
20	Intravenous Vitamin C for Cancer Therapy – Identifying the Current Gaps in Our Knowledge. <i>Frontiers in Physiology</i> , 2018, 9, 1182.	1.3	83
21	Synthetic or Food-Derived Vitamin C – Are They Equally Bioavailable?. <i>Nutrients</i> , 2013, 5, 4284-4304.	1.7	79
22	Reply to – Comment on: Optimal Nutritional Status for a Well-Functioning Immune System Is an Important Factor to Protect against Viral Infections. <i>Nutrients</i> 2020, 12, 1181 – <i>Nutrients</i> , 2020, 12, 2326.	1.7	78
23	Vitamin C Status Correlates with Markers of Metabolic and Cognitive Health in 50-Year-Olds: Findings of the CHALICE Cohort Study. <i>Nutrients</i> , 2017, 9, 831.	1.7	77
24	The Effect of Intravenous Vitamin C on Cancer- and Chemotherapy-Related Fatigue and Quality of Life. <i>Frontiers in Oncology</i> , 2014, 4, 283.	1.3	75
25	Enhanced Human Neutrophil Vitamin C Status, Chemotaxis and Oxidant Generation Following Dietary Supplementation with Vitamin C-Rich SunGold Kiwifruit. <i>Nutrients</i> , 2015, 7, 2574-2588.	1.7	73
26	Discrepancies in global vitamin C recommendations: a review of RDA criteria and underlying health perspectives. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 742-755.	5.4	71
27	Relative reactivities of N-chloramines and hypochlorous acid with human plasma constituents. <i>Free Radical Biology and Medicine</i> , 2001, 30, 526-536.	1.3	69
28	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> , 2001, 49, 4442-4449.	2.4	67
29	Appropriate Handling, Processing and Analysis of Blood Samples Is Essential to Avoid Oxidation of Vitamin C to Dehydroascorbic Acid. <i>Antioxidants</i> , 2018, 7, 29.	2.2	62
30	Human skeletal muscle ascorbate is highly responsive to changes in vitamin C intake and plasma concentrations. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 800-807.	2.2	59
31	Peroxidase-Mediated Bromination of Unsaturated Fatty Acids to Form Bromohydrins. <i>Archives of Biochemistry and Biophysics</i> , 1996, 327, 227-233.	1.4	55
32	Differential reactivities of hypochlorous and hypobromous acids with purified Escherichia coli phospholipid: formation of haloamines and halohydrins. <i>Lipids and Lipid Metabolism</i> , 1998, 1392, 254-264.	2.6	48
33	Bioavailability of vitamin C from kiwifruit in non-smoking males: determination of –healthy– and –optimal– intakes. <i>Journal of Nutritional Science</i> , 2012, 1, e14.	0.7	45
34	The development and effectiveness of an ecological momentary intervention to increase daily fruit and vegetable consumption in low-consuming young adults. <i>Appetite</i> , 2017, 108, 32-41.	1.8	45
35	Harm of IV High-Dose Vitamin C Therapy in Adult Patients: A Scoping Review. <i>Critical Care Medicine</i> , 2020, 48, e620-e628.	0.4	44
36	The Nitric Oxide Congener Nitrite Inhibits Myeloperoxidase/H ₂ O ₂ / Cl ⁻ -mediated Modification of Low Density Lipoprotein. <i>Journal of Biological Chemistry</i> , 2001, 276, 1822-1828.	1.6	42

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37	Intravenous vitamin C administration to patients with septic shock: a pilot randomised controlled trial. <i>Critical Care</i> , 2022, 26, 26.	2.5	41
38	The Role of Physiological Vitamin C Concentrations on Key Functions of Neutrophils Isolated from Healthy Individuals. <i>Nutrients</i> , 2019, 11, 1363.	1.7	40
39	The Bioavailability of Vitamin C from Kiwifruit. <i>Advances in Food and Nutrition Research</i> , 2013, 68, 125-147.	1.5	38
40	High Vitamin C Status Is Associated with Elevated Mood in Male Tertiary Students. <i>Antioxidants</i> , 2018, 7, 91.	2.2	36
41	Pyrrolidine dithiocarbamate is a potent antioxidant against hypochlorous acid-induced protein damage. <i>FEBS Letters</i> , 2002, 532, 80-84.	1.3	35
42	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> , 1994, 17, 161-164.	1.3	33
43	A Randomized Steady-State Bioavailability Study of Synthetic versus Natural (Kiwifruit-Derived) Vitamin C. <i>Nutrients</i> , 2013, 5, 3684-3695.	1.7	33
44	Mood improvement in young adult males following supplementation with gold kiwifruit, a high-vitamin C food. <i>Journal of Nutritional Science</i> , 2013, 2, e24.	0.7	33
45	Patients with Community Acquired Pneumonia Exhibit Depleted Vitamin C Status and Elevated Oxidative Stress. <i>Nutrients</i> , 2020, 12, 1318.	1.7	33
46	LDL Modified by Hypochlorous Acid Is a Potent Inhibitor of Lecithin-Cholesterol Acyltransferase Activity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 1040-1045.	1.1	32
47	SunGold Kiwifruit Supplementation of Individuals with Prediabetes Alters Gut Microbiota and Improves Vitamin C Status, Anthropometric and Clinical Markers. <i>Nutrients</i> , 2018, 10, 895.	1.7	32
48	Human Neutrophils Oxidize Low-Density Lipoprotein by a Hypochlorous Acid- Dependent Mechanism: The Role of Vitamin C. <i>Biological Chemistry</i> , 2002, 383, 627-36.	1.2	31
49	Free Radical Inactivation of Rabbit Muscle Creatine Kinase: Catalysis by Physiological and Hydrolyzed ICRF-187 (ICRF-198) Iron Chelates. <i>Free Radical Research</i> , 1994, 21, 387-397.	1.5	29
50	Myeloperoxidase-dependent caspase-3 activation and apoptosis in HL-60 cells: protection by the antioxidants ascorbate and (dihydro)lipoic acid. <i>Redox Report</i> , 2002, 7, 47-53.	1.4	28
51	Marginal Ascorbate Status (Hypovitaminosis C) Results in an Attenuated Response to Vitamin C Supplementation. <i>Nutrients</i> , 2016, 8, 341.	1.7	28
52	Vitamin C and Neutrophil Function: Findings from Randomized Controlled Trials. <i>Nutrients</i> , 2019, 11, 2102.	1.7	28
53	Vitamin C administration in the critically ill: a summary of recent meta-analyses. <i>Critical Care</i> , 2019, 23, 265.	2.5	27
54	A Randomised Cross-Over Pharmacokinetic Bioavailability Study of Synthetic versus Kiwifruit-Derived Vitamin C. <i>Nutrients</i> , 2013, 5, 4451-4461.	1.7	22

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55	The Use of Intravenous Vitamin C as a Supportive Therapy for a Patient with Glioblastoma Multiforme. Antioxidants, 2018, 7, 115.	2.2	21
56	Nuclear magnetic resonance characterization of 6 β -chloro-5 β -cholestane-3 α ,5-diol formed from the reaction of hypochlorous acid with cholesterol. Lipids, 1997, 32, 363-367.	0.7	18
57	No Reported Renal Stones with Intravenous Vitamin C Administration: A Prospective Case Series Study. Antioxidants, 2018, 7, 68.	2.2	18
58	Micronutrient status of COVID-19 patients: a critical consideration. Critical Care, 2020, 24, 349.	2.5	17
59	Circulating myeloperoxidase is elevated in septic shock and is associated with systemic organ failure and mortality in critically ill patients. Free Radical Biology and Medicine, 2020, 152, 462-468.	1.3	15
60	Vitamin C Administration by Intravenous Infusion Increases Tumor Ascorbate Content in Patients With Colon Cancer: A Clinical Intervention Study. Frontiers in Oncology, 2020, 10, 600715.	1.3	15
61	Vitamin C Intervention for Critical COVID-19: A Pragmatic Review of the Current Level of Evidence. Life, 2021, 11, 1166.	1.1	15
62	Relief from cancer chemotherapy side effects with pharmacologic vitamin C. New Zealand Medical Journal, 2014, 127, 66-70.	0.5	14
63	The effect of conservative oxygen therapy on systemic biomarkers of oxidative stress in critically ill patients. Free Radical Biology and Medicine, 2020, 160, 13-18.	1.3	13
64	Patients Undergoing Myeloablative Chemotherapy and Hematopoietic Stem Cell Transplantation Exhibit Depleted Vitamin C Status in Association with Febrile Neutropenia. Nutrients, 2020, 12, 1879.	1.7	13
65	Intravenous Vitamin C Administration Improved Blood Cell Counts and Health-Related Quality of Life of Patient with History of Relapsed Acute Myeloid Leukaemia. Antioxidants, 2018, 7, 92.	2.2	11
66	Vitamin C Status in People with Types 1 and 2 Diabetes Mellitus and Varying Degrees of Renal Dysfunction: Relationship to Body Weight. Antioxidants, 2022, 11, 245.	2.2	11
67	Peroxiredoxin 2 oxidation reveals hydrogen peroxide generation within erythrocytes during high-dose vitamin C administration. Redox Biology, 2021, 43, 101980.	3.9	10
68	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. Nutrients 2020, 12, 1181". Nutrients, 2020, 12, 2696.	1.7	9
69	Positive Association of Ascorbate and Inverse Association of Urate with Cognitive Function in People with Parkinson's Disease. Antioxidants, 2020, 9, 906.	2.2	8
70	Circulating protein carbonyls are specifically elevated in critically ill patients with pneumonia relative to other sources of sepsis. Free Radical Biology and Medicine, 2022, 179, 208-212.	1.3	8
71	Estimation of Vitamin C Intake Requirements Based on Body Weight: Implications for Obesity. Nutrients, 2022, 14, 1460.	1.7	8
72	Vitamin C in Pneumonia and Sepsis. , 2020, , 115-135.		7

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73	Multi-Level Immune Support by Vitamins C and D during the SARS-CoV-2 Pandemic. <i>Nutrients</i> , 2022, 14, 689.	1.7	7
74	Parenteral vitamin C for palliative care of terminal cancer patients. <i>New Zealand Medical Journal</i> , 2014, 127, 84-6.	0.5	7
75	Vitamin C: From Bench to Bedside. <i>Nutrients</i> , 2021, 13, 1102.	1.7	6
76	Erythrocyte Ascorbate Is a Potential Indicator of Steady-State Plasma Ascorbate Concentrations in Healthy Non-Fasting Individuals. <i>Nutrients</i> , 2020, 12, 418.	1.7	5
77	Neutrophils Isolated from Septic Patients Exhibit Elevated Uptake of Vitamin C and Normal Intracellular Concentrations despite a Low Vitamin C Milieu. <i>Antioxidants</i> , 2021, 10, 1607.	2.2	5
78	Is the VITAMINS RCT indicating potential redundancy between corticosteroids and vitamin C?. <i>Critical Care</i> , 2020, 24, 129.	2.5	4
79	Is "Mega-Dose" IV Vitamin C Required for Septic and Critical Coronavirus Disease 2019 Patients?. <i>Critical Care Medicine</i> , 2021, 49, e477-e478.	0.4	4
80	Good nutrition matters: hypovitaminosis C associated with depressed mood and poor wound healing. <i>New Zealand Medical Journal</i> , 2012, 125, 107-9.	0.5	4
81	Can a simple chemical help to both prevent and treat sepsis. <i>Critical Care</i> , 2018, 22, 247.	2.5	3
82	Formulation of Broccoli Sprout Powder in Gastro-Resistant Capsules Protects against the Acidic pH of the Stomach In Vitro but Does Not Increase Isothiocyanate Bioavailability In Vivo. <i>Antioxidants</i> , 2019, 8, 359.	2.2	3
83	Vitamin C supplementation and kidney stone risk. <i>New Zealand Medical Journal</i> , 2013, 126, 133-4.	0.5	3
84	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> , 2019, 21, 220-221.	0.0	3
85	Parenteral vitamin C relieves chronic fatigue and pain in a patient with rheumatoid arthritis and mononeuritis multiplex secondary to CNS vasculitis. <i>Case Reports in Clinical Pathology</i> , 2014, 2, .	0.0	1
86	Vitamin C Symposium 2019 "Vitamin C for Cancer and Infection: From Bench to Bedside" Proceedings (mdpi), 2019, 5, 3.	0.2	1
87	Micronutrients and respiratory infections: the biological rationale and current state of clinical evaluation. <i>British Journal of Hospital Medicine (London, England: 2005)</i> , 2021, 82, 1-8.	0.2	1
88	OUP accepted manuscript. <i>American Journal of Clinical Nutrition</i> , 2022, , .	2.2	1
89	Research on shaky ground. <i>Redox Report</i> , 2012, 17, 233-233.	1.4	0