

# C-Y Oliver Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

1,856  
citations

279701

23  
h-index

265120

42  
g-index

77  
all docs

77  
docs citations

77  
times ranked

3298  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fruits, vegetables, and health: A comprehensive narrative, umbrella review of the science and recommendations for enhanced public policy to improve intake. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 2174-2211.	5.4	284
2	Gastrointestinal interactions, absorption, splanchnic metabolism and pharmacokinetics of orally ingested phenolic compounds. <i>Food and Function</i> , 2017, 8, 15-38.	2.1	128
3	Polyphenol content and antioxidant activity of California almonds depend on cultivar and harvest year. <i>Food Chemistry</i> , 2010, 122, 819-825.	4.2	106
4	Non-Provitamin A and Provitamin A Carotenoids as Immunomodulators: Recommended Dietary Allowance, Therapeutic Index, or Personalized Nutrition?. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-20.	1.9	104
5	Cranberries attenuate animal-based diet-induced changes in microbiota composition and functionality: a randomized crossover controlled feeding trial. <i>Journal of Nutritional Biochemistry</i> , 2018, 62, 76-86.	1.9	80
6	Enzymatic biotransformation of polyphenolics increases antioxidant activity of red and white grape pomace. <i>Food Research International</i> , 2016, 89, 533-539.	2.9	76
7	The influence of roasting, pasteurisation, and storage on the polyphenol content and antioxidant capacity of California almond skins. <i>Food Chemistry</i> , 2010, 123, 1040-1047.	4.2	65
8	Effect of almond consumption on vascular function in patients with coronary artery disease: a randomized, controlled, cross-over trial. <i>Nutrition Journal</i> , 2015, 14, 61.	1.5	65
9	Chronic consumption of a low calorie, high polyphenol cranberry beverage attenuates inflammation and improves glucoregulation and HDL cholesterol in healthy overweight humans: a randomized controlled trial. <i>European Journal of Nutrition</i> , 2019, 58, 1223-1235.	1.8	61
10	Bioavailability and biodistribution of nanodelivered lutein. <i>Food Chemistry</i> , 2016, 192, 915-923.	4.2	57
11	Avocado Consumption Increases Macular Pigment Density in Older Adults: A Randomized, Controlled Trial. <i>Nutrients</i> , 2017, 9, 919.	1.7	51
12	Collagen peptides ameliorate intestinal epithelial barrier dysfunction in immunostimulatory Caco-2 cell monolayers via enhancing tight junctions. <i>Food and Function</i> , 2017, 8, 1144-1151.	2.1	47
13	Characterization of chemical, biological, and antiproliferative properties of fermented black carrot juice, shalgam. <i>European Food Research and Technology</i> , 2016, 242, 1355-1368.	1.6	44
14	Diet- and Genetically-Induced Obesity Differentially Affect the Fecal Microbiome and Metabolome in Apc1638N Mice. <i>PLoS ONE</i> , 2015, 10, e0135758.	1.1	42
15	The effect of almonds on vitamin E status and cardiovascular risk factors in Korean adults: a randomized clinical trial. <i>European Journal of Nutrition</i> , 2018, 57, 2069-2079.	1.8	42
16	Determination of Antioxidant Activity in Foods and Beverages by Reaction with 2,2â€²-Diphenyl-1-Picrylhydrazyl (DPPH): Collaborative Study First Action 2012.04. <i>Journal of AOAC INTERNATIONAL</i> , 2012, 95, 1562-1569.	0.7	40
17	The Role of Oat Nutrients in the Immune System: A Narrative Review. <i>Nutrients</i> , 2021, 13, 1048.	1.7	37
18	Almonds ameliorate glycemic control in Chinese patients with better controlled type 2 diabetes: a randomized, crossover, controlled feeding trial. <i>Nutrition and Metabolism</i> , 2017, 14, 51.	1.3	36

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19	Processing Ataulfo™ Mango into Juice Preserves the Bioavailability and Antioxidant Capacity of Its Phenolic Compounds. <i>Nutrients</i> , 2017, 9, 1082.	1.7	34
20	Polysaccharides in <i>Spirulina platensis</i> Improve Antioxidant Capacity of Chinese-Style Sausage. <i>Journal of Food Science</i> , 2017, 82, 2591-2597.	1.5	33
21	Anti-osmotic and antioxidant activities of gigantol from <i>Dendrobium aurantiacum</i> var. <i>denneanum</i> against cataractogenesis in galactosemic rats. <i>Journal of Ethnopharmacology</i> , 2015, 172, 238-246.	2.0	30
22	CYP2D6 and CYP2A6 biotransform dietary tyrosol into hydroxytyrosol. <i>Food Chemistry</i> , 2017, 217, 716-725.	4.2	27
23	Phytochemical composition of nuts. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2008, 17 Suppl 1, 329-32.	0.3	25
24	Lycopene Inhibits Smoke-Induced Chronic Obstructive Pulmonary Disease and Lung Carcinogenesis by Modulating Reverse Cholesterol Transport in Ferrets. <i>Cancer Prevention Research</i> , 2019, 12, 421-432.	0.7	23
25	Synthesis and Biological Evaluation of Novel Gigantol Derivatives as Potential Agents in Prevention of Diabetic Cataract. <i>PLoS ONE</i> , 2015, 10, e0141092.	1.1	19
26	Silkworm pupae oil exerts hypercholesterolemic and antioxidant effects in high-cholesterol diet-fed rats. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 2050-2056.	1.7	19
27	Gigantol from <i>Dendrobium chrysotoxum</i> Lindl. binds and inhibits aldose reductase gene to exert its anti-cataract activity: An in vitro mechanistic study. <i>Journal of Ethnopharmacology</i> , 2017, 198, 255-261.	2.0	18
28	Orange Pomace Improves Postprandial Glycemic Responses: An Acute, Randomized, Placebo-Controlled, Double-Blind, Crossover Trial in Overweight Men. <i>Nutrients</i> , 2017, 9, 130.	1.7	17
29	Effects of daily almond consumption for six months on cognitive measures in healthy middle-aged to older adults: a randomized control trial. <i>Nutritional Neuroscience</i> , 2022, 25, 1466-1476.	1.5	17
30	Tolerability and Safety of a Novel Ketogenic Ester, Bis-Hexanoyl (R)-1,3-Butanediol: A Randomized Controlled Trial in Healthy Adults. <i>Nutrients</i> , 2021, 13, 2066.	1.7	17
31	Fructose and saturated fats predispose hyperinsulinemia in lean male rat offspring. <i>European Journal of Nutrition</i> , 2010, 49, 337-343.	1.8	16
32	Phytochemical composition and antioxidant capacity of whole wheat products. <i>International Journal of Food Sciences and Nutrition</i> , 2015, 66, 63-70.	1.3	16
33	Effect of COVID-19 Pandemic-Induced Dietary and Lifestyle Changes and Their Associations with Perceived Health Status and Self-Reported Body Weight Changes in India: A Cross-Sectional Survey. <i>Nutrients</i> , 2021, 13, 3682.	1.7	16
34	The effect of almond consumption on elements of endurance exercise performance in trained athletes. <i>Journal of the International Society of Sports Nutrition</i> , 2014, 11, 18.	1.7	15
35	Investigation of synergistic mechanism and identification of interaction site of aldose reductase with the combination of gigantol and syringic acid for prevention of diabetic cataract. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 286.	3.7	15
36	Detrimental effects detected in exfoliated buccal cells from anesthesiology medical residents occupationally exposed to inhalation anesthetics: An observational study. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2018, 832-833, 61-64.	0.9	15

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37	Dietary modulators of statin efficacy in cardiovascular disease and cognition. <i>Molecular Aspects of Medicine</i> , 2014, 38, 1-53.	2.7	13
38	Antioxidant, Anti-Inflammatory, and Microbial-Modulating Activities of Nutraceuticals and Functional Foods 2018. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-2.	1.9	12
39	Liquid chromatography with tandem mass spectrometry quantification of urinary proanthocyanin A2 dimer and its potential use as a biomarker of cranberry intake. <i>Journal of Separation Science</i> , 2016, 39, 342-349.	1.3	11
40	Yacon ( <i>Smallanthus sonchifolius</i> ) Leaf Extract Attenuates Hyperglycemia and Skeletal Muscle Oxidative Stress and Inflammation in Diabetic Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-9.	0.5	11
41	Bioavailability of plant pigment phytochemicals in <i>Angelica keiskei</i> in older adults: A pilot absorption kinetic study. <i>Nutrition Research and Practice</i> , 2014, 8, 550.	0.7	9
42	Photoprotection by pistachio bioactives in a 3-dimensional human skin equivalent tissue model. <i>International Journal of Food Sciences and Nutrition</i> , 2017, 68, 712-718.	1.3	8
43	Dietary Supplements for Weight Management: A Narrative Review of Safety and Metabolic Health Benefits. <i>Nutrients</i> , 2022, 14, 1787.	1.7	8
44	Identification of methylated metabolites of oat avenanthramides in human plasma using UHPLC QToF-MS. <i>International Journal of Food Sciences and Nutrition</i> , 2018, 69, 377-383.	1.3	7
45	Arthrospira ( <i>Spirulina</i> ) platensis extract improves oxidative stability and product quality of Chinese-style pork sausage. <i>Journal of Applied Phycology</i> , 2018, 30, 1667-1677.	1.5	6
46	Determination of cranberry proanthocyanidin A2 in human plasma and urine using LC-MS/MS. <i>FASEB Journal</i> , 2012, 26, 124.8.	0.2	6
47	Antioxidant, Anti-Inflammatory, and Microbial-Modulating Activities of Nutraceuticals and Functional Foods. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-2.	1.9	4
48	Bleaching augments lipid peroxidation products in pistachio oil and its cytotoxicity. <i>European Journal of Lipid Science and Technology</i> , 2012, 114, 1362-1372.	1.0	3
49	Ubiquinol (Reduced Coenzyme Q10) and Cellular Oxygen Consumption in Patients Undergoing Coronary Artery Bypass Grafting. <i>Journal of Intensive Care Medicine</i> , 2020, 35, 797-804.	1.3	3
50	The Effect of Multi-Vitamin/Multi-Mineral Supplementation on Nutritional Status in Older Adults Receiving Drug Therapies: A Double-Blind, Placebo-Controlled Trial. <i>Journal of Dietary Supplements</i> , 2022, 19, 20-33.	1.4	3
51	Identification of methylated avenanthramides in human plasma. <i>FASEB Journal</i> , 2016, 30, 690.1.	0.2	3
52	Hyperglycemia and Anthocyanin Inhibit Quercetin Metabolism in HepG2 Cells. <i>Journal of Medicinal Food</i> , 2016, 19, 141-147.	0.8	2
53	Association of beverage consumption types with weight, height, and body mass index in grade 3 children in northern Taiwan: A cross-sectional study. <i>Nutrition</i> , 2021, 90, 111173.	1.1	1
54	Acute bioavailability and pharmacokinetics of avenanthramides (AV) from false malted oat bran high in endogenous AV. <i>FASEB Journal</i> , 2012, 26, lb300.	0.2	1

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55	Effects of polyphenolic-rich dark chocolate/cocoa and almonds on established and emerging cardiovascular risk factors: study design. FASEB Journal, 2013, 27, 1078.13.	0.2	1
56	Fiber decreases the antioxidant capacity of phenolic acids in an alkaline milieu in vitro. FASEB Journal, 2013, 27, 862.25.	0.2	1
57	Age-related increases in microsomal quercetin glucuronidation in rat small intestine.. FASEB Journal, 2009, 23, 750.1.	0.2	0
58	Total antioxidant capacity of grape and pomegranate juices in vitro is dependent upon assay dilution factor. FASEB Journal, 2010, 24, 921.2.	0.2	0
59	Contribution of polyphenols to the total antioxidant capacity of pomegranate and grape juices. FASEB Journal, 2010, 24, 321.2.	0.2	0
60	Almonds decreased inflammation and oxidative stress in patients with type 2 diabetes. FASEB Journal, 2011, 25, 107.5.	0.2	0
61	Pharmacokinetics of avenanthramides (AV) from AV-enriched malted oats in healthy older adults. FASEB Journal, 2011, 25, 1b235.	0.2	0
62	±-Tocopherol absorption into a three-dimensional human skin tissue model. FASEB Journal, 2012, 26, 1019.2.	0.2	0
63	Effects of whole grain phytochemicals on biomarkers of postprandial metabolic dysregulation in overweight/obese adults following an oral glucose challenge. FASEB Journal, 2012, 26, 646.12.	0.2	0
64	Phenolics in mulberry leaves protect Hep G2 cells against hyperglycemia-induced oxidative damage. FASEB Journal, 2012, 26, 263.1.	0.2	0
65	Bioavailability and pharmacokinetics of whole grain phytochemicals in overweight/obese adults. FASEB Journal, 2012, 26, 646.13.	0.2	0
66	The fetal programming of dietary fructose and saturated fat on hepatic quercetin glucuronidation in rats. FASEB Journal, 2012, 26, 124.1.	0.2	0
67	The photoprotective effects of almond phytonutrients in a three-dimensional human skin tissue model. FASEB Journal, 2012, 26, 823.23.	0.2	0
68	Effects of whole eggs combined with other cooked breakfast foods on postprandial metabolism in older, overweight adults. FASEB Journal, 2012, 26, .	0.2	0
69	Glucose and cyanidin-3-glucose interrupt quercetin metabolism in HepG2 cells. FASEB Journal, 2013, 27, 636.19.	0.2	0
70	Hepatic biotransformation of alkylresorcinols is mediated via cytochrome P450 and oxidation.. FASEB Journal, 2013, 27, 125.2.	0.2	0
71	A pilot study examining the application of plasma alkylresorcinols (AR) and urinary AR metabolites as biomarkers of compliance. FASEB Journal, 2013, 27, 125.1.	0.2	0
72	Tannase-treated grape pomace attenuates IL-1-induced inflammation in Caco-2 cells. FASEB Journal, 2016, 30, .	0.2	0

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73	Impacts of Age, Snack Food, and Whole and Refined Wheat on the Rat Fecal Microbiome. FASEB Journal, 2016, 30, .	0.2	0
74	Acute orange pomace consumption diminishes postprandial glyceimic responses in healthy men. FASEB Journal, 2016, 30, 419.3.	0.2	0
75	Collagen peptides derived from Alaska pollock skin protect against TNF $\alpha$ -induced dysfunction of tight junctions in Caco-2 cells. FASEB Journal, 2016, 30, 125.5.	0.2	0