

# Wendy R Russell

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

3,419  
citations

257101

24  
h-index

301761

39  
g-index

40  
all docs

40  
docs citations

40  
times ranked

6672  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-grade inflammation, diet composition and health: current research evidence and its translation. <i>British Journal of Nutrition</i> , 2015, 114, 999-1012.	1.2	600
2	High-protein, reduced-carbohydrate weight-loss diets promote metabolite profiles likely to be detrimental to colonic health. <i>American Journal of Clinical Nutrition</i> , 2011, 93, 1062-1072.	2.2	589
3	Colonic bacterial metabolites and human health. <i>Current Opinion in Microbiology</i> , 2013, 16, 246-254.	2.3	293
4	Major phenylpropanoid-derived metabolites in the human gut can arise from microbial fermentation of protein. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 523-535.	1.5	268
5	Potential of Fava Bean as Future Protein Supply to Partially Replace Meat Intake in the Human Diet. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2015, 14, 511-522.	5.9	188
6	Impact of Diet Composition on Blood Glucose Regulation. <i>Critical Reviews in Food Science and Nutrition</i> , 2016, 56, 541-590.	5.4	144
7	Plant secondary metabolites and gut health: the case for phenolic acids. <i>Proceedings of the Nutrition Society</i> , 2011, 70, 389-396.	0.4	128
8	Wheat bran promotes enrichment within the human colonic microbiota of butyrate-producing bacteria that release ferulic acid. <i>Environmental Microbiology</i> , 2016, 18, 2214-2225.	1.8	119
9	Phenolic acid content of fruits commonly consumed and locally produced in Scotland. <i>Food Chemistry</i> , 2009, 115, 100-104.	4.2	97
10	A single supplement of a standardised bilberry ( <i>Vaccinium myrtillus</i> L.) extract (36 % wet weight) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 lifestyle. <i>Journal of Nutritional Science</i> , 2013, 2, e22.	0.7	78
11	Mechanism of conjugated linoleic acid and vaccenic acid formation in human faecal suspensions and pure cultures of intestinal bacteria. <i>Microbiology (United Kingdom)</i> , 2009, 155, 285-294.	0.7	77
12	Anti-Inflammatory Implications of the Microbial Transformation of Dietary Phenolic Compounds. <i>Nutrition and Cancer</i> , 2008, 60, 636-642.	0.9	68
13	Comparative study of the functional properties of lupin, green pea, fava bean, hemp, and buckwheat flours as affected by <sc>pH</sc>. <i>Food Science and Nutrition</i> , 2014, 2, 802-810.	1.5	68
14	Effect of increasing fruit and vegetable intake by dietary intervention on nutritional biomarkers and attitudes to dietary change: a randomised trial. <i>European Journal of Nutrition</i> , 2018, 57, 1855-1872.	1.8	68
15	Nutritional and Phytochemical Content of High-Protein Crops. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 7800-7811.	2.4	65
16	The anthocyanins in black currants regulate postprandial hyperglycaemia primarily by inhibiting $\alpha$ -glucosidase while other phenolics modulate salivary $\alpha$ -amylase, glucose uptake and sugar transporters. <i>Journal of Nutritional Biochemistry</i> , 2020, 78, 108325.	1.9	62
17	Herbal remedies for urinary stones used in India and China: A review. <i>Journal of Ethnopharmacology</i> , 2017, 203, 55-68.	2.0	61
18	Availability of blueberry phenolics for microbial metabolism in the colon and the potential inflammatory implications. <i>Molecular Nutrition and Food Research</i> , 2007, 51, 726-731.	1.5	48

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19	Selective bioavailability of phenolic acids from Scottish strawberries. <i>Molecular Nutrition and Food Research</i> , 2009, 53, S85-91.	1.5	47
20	GST-4-Dependent Suppression of Neurodegeneration in <i>C. elegans</i> Models of Parkinson's and Machado-Joseph Disease by Rapeseed Pomace Extract Supplementation. <i>Frontiers in Neuroscience</i> , 2019, 13, 1091.	1.4	36
21	The gut microbial metabolome: modulation of cancer risk in obese individuals. <i>Proceedings of the Nutrition Society</i> , 2013, 72, 178-188.	0.4	27
22	Regulation of GPR55 in rat white adipose tissue and serum LPL by nutritional status, gestation, gender and pituitary factors. <i>Molecular and Cellular Endocrinology</i> , 2014, 383, 159-169.	1.6	27
23	Structural modification of phenylpropanoid-derived compounds and the effects on their participation in redox processes. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 2537-2546.	1.4	26
24	Exploring Health-Promoting Attributes of Plant Proteins as a Functional Ingredient for the Food Sector: A Systematic Review of Human Interventional Studies. <i>Nutrients</i> , 2020, 12, 2291.	1.7	26
25	Revalorisation of rapeseed pomace extracts: An in vitro study into its anti-oxidant and DNA protective properties. <i>Food Chemistry</i> , 2018, 239, 323-332.	4.2	25
26	Inhibition of cytokine-induced prostanoïd biogenesis by phytochemicals in human colonic fibroblasts. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2006, 1762, 124-130.	1.8	24
27	EPR Investigation into the Effects of Substrate Structure on Peroxidase-Catalyzed Phenylpropanoid Oxidation. <i>Biomacromolecules</i> , 2006, 7, 268-273.	2.6	24
28	Availability and dose response of phytochemicals from a wheat bran rich cereal product in healthy human volunteers. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600202.	1.5	23
29	Impact of protein on the composition and metabolism of the human gut microbiota and health. <i>Proceedings of the Nutrition Society</i> , 2021, 80, 173-185.	0.4	20
30	Folate, genomic stability and colon cancer: The use of single cell gel electrophoresis in assessing the impact of folate in vitro, in vivo and in human biomonitoring. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 843, 73-80.	0.9	18
31	Rapid method for quantification of anthocyanidins and anthocyanins in human biological samples. <i>Food Chemistry</i> , 2019, 290, 56-63.	4.2	12
32	Inhibition of 15-lipoxygenase-catalysed oxygenation of arachidonic acid by substituted benzoic acids. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 4589-4593.	1.4	11
33	Hemp and buckwheat are valuable sources of dietary amino acids, beneficially modulating gastrointestinal hormones and promoting satiety in healthy volunteers. <i>European Journal of Nutrition</i> , 2022, 61, 1057-1072.	1.8	11
34	Advanced analytical methodologies to study the microbial metabolome of the human gut. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 52, 54-60.	5.8	10
35	Invasive Plants Are a Valuable Alternate Protein Source and Can Contribute to Meeting Climate Change Targets. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	10
36	Nutritional and chemical profiling of UK-grown potato bean ( <i>Apios americana Medik</i> ) reveal its potential for diet biodiversification and revalorisation. <i>Journal of Food Composition and Analysis</i> , 2021, 98, 103821.	1.9	8

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37	High throughput method development and optimised production of leaf protein concentrates with potential to support the agri-industry. <i>Journal of Food Measurement and Characterization</i> , 2022, 16, 49-65.	1.6	6
38	Buckwheat, Fava Bean and Hemp Flours Fortified with Anthocyanins and Other Bioactive Phytochemicals as Sustainable Ingredients for Functional Food Development. <i>Nutraceuticals</i> , 2022, 2, 150-161.	0.6	5
39	Impact of rapeseed pomace extract on markers of oxidative stress and DNA damage in human SH-SY5Y cells. <i>Journal of Food Biochemistry</i> , 2021, 45, e13592.	1.2	2