

# Susan J Duthie

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6219196/susan-j-duthie-publications-by-citations.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

77  
papers

5,740<sup>0</sup>  
citations

38  
h-index

75  
g-index

79  
ext. papers

6,155  
ext. citations

4.7  
avg, IF

5.49  
L-index

#	Paper	IF	Citations
77	Direct enzymic detection of endogenous oxidative base damage in human lymphocyte DNA. <i>Carcinogenesis</i> , <b>1993</b> , 14, 1733-5	4.6	725
76	Plant polyphenols in cancer and heart disease: implications as nutritional antioxidants. <i>Nutrition Research Reviews</i> , <b>2000</b> , 13, 79-106	7	528
75	The kinetics of repair of oxidative DNA damage (strand breaks and oxidised pyrimidines) in human cells. <i>Mutation Research DNA Repair</i> , <b>1995</b> , 336, 69-77		492
74	Comet assay in human biomonitoring studies: reliability, validation, and applications. <i>Environmental and Molecular Mutagenesis</i> , <b>1997</b> , 30, 139-46	3.2	454
73	Effect of increased consumption of whole-grain foods on blood pressure and other cardiovascular risk markers in healthy middle-aged persons: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , <b>2010</b> , 92, 733-40	7	217
72	Homocysteine, B vitamin status, and cognitive function in the elderly. <i>American Journal of Clinical Nutrition</i> , <b>2002</b> , 75, 908-13	7	193
71	Anthocyanin-rich extract decreases indices of lipid peroxidation and DNA damage in vitamin E-depleted rats. <i>Free Radical Biology and Medicine</i> , <b>2001</b> , 31, 1033-7	7.8	182
70	Folate and cancer: how DNA damage, repair and methylation impact on colon carcinogenesis. <i>Journal of Inherited Metabolic Disease</i> , <b>2011</b> , 34, 101-9	5.4	179
69	Folate deficiency in vitro induces uracil misincorporation and DNA hypomethylation and inhibits DNA excision repair in immortalized normal human colon epithelial cells. <i>Nutrition and Cancer</i> , <b>2000</b> , 37, 245-51	2.8	164
68	Impact of folate deficiency on DNA stability. <i>Journal of Nutrition</i> , <b>2002</b> , 132, 2444S-2449S	4.1	158
67	Berry phytochemicals, genomic stability and cancer: evidence for chemoprotection at several stages in the carcinogenic process. <i>Molecular Nutrition and Food Research</i> , <b>2007</b> , 51, 665-74	5.9	129
66	Effect of potassium citrate supplementation or increased fruit and vegetable intake on bone metabolism in healthy postmenopausal women: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , <b>2008</b> , 88, 465-74	7	123
65	Mixed function oxidase and UDP-glucuronyltransferase activities in the human Hep G2 hepatoma cell line. <i>Biochemical Pharmacology</i> , <b>1988</b> , 37, 4111-6	6	116
64	The influence of cell growth, detoxifying enzymes and DNA repair on hydrogen peroxide-mediated DNA damage (measured using the comet assay) in human cells. <i>Free Radical Biology and Medicine</i> , <b>1997</b> , 22, 717-24	7.8	102
63	The influence of moderate red wine consumption on antioxidant status and indices of oxidative stress associated with CHD in healthy volunteers. <i>British Journal of Nutrition</i> , <b>2005</b> , 93, 233-40	3.6	96
62	Human adult hepatocytes in primary monolayer culture. Maintenance of mixed function oxidase and conjugation pathways of drug metabolism. <i>Biochemical Pharmacology</i> , <b>1987</b> , 36, 2311-6	6	82
61	Effect of a tomato-rich diet on markers of cardiovascular disease risk in moderately overweight, disease-free, middle-aged adults: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , <b>2012</b> , 95, 1013-22	7	80

60	Epigenetic modifications and human pathologies: cancer and CVD. <i>Proceedings of the Nutrition Society</i> , <b>2011</b> , 70, 47-56	2.9	78
59	Proteomic methodological recommendations for studies involving human plasma, platelets, and peripheral blood mononuclear cells. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 2280-90	5.6	69
58	The influence of culture medium composition on drug metabolising enzyme activities of the human liver derived Hep G2 cell line. <i>FEBS Letters</i> , <b>1988</b> , 241, 15-8	3.8	64
57	Age-related increases in DNA repair and antioxidant protection: a comparison of the Boyd Orr Cohort of elderly subjects with a younger population sample. <i>Age and Ageing</i> , <b>2007</b> , 36, 521-6	3	58
56	Effects of phytoestrogens on growth and DNA integrity in human prostate tumor cell lines: PC-3 and LNCaP. <i>Nutrition and Cancer</i> , <b>2000</b> , 38, 223-8	2.8	54
55	Serum concentrations of homocysteine are elevated during early pregnancy in rodent models of fetal programming. <i>British Journal of Nutrition</i> , <b>2002</b> , 88, 471-7	3.6	53
54	Folate, DNA stability and colo-rectal neoplasia. <i>Proceedings of the Nutrition Society</i> , <b>2004</b> , 63, 571-8	2.9	52
53	Biphasic effect of falcarinol on caco-2 cell proliferation, DNA damage, and apoptosis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 618-23	5.7	51
52	Dietary isothiocyanates inhibit Caco-2 cell proliferation and induce G2/M phase cell cycle arrest, DNA damage, and G2/M checkpoint activation. <i>Journal of Nutrition</i> , <b>2004</b> , 134, 3121-6	4.1	51
51	Blood folate status and expression of proteins involved in immune function, inflammation, and coagulation: biochemical and proteomic changes in the plasma of humans in response to long-term synthetic folic acid supplementation. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 1941-50	5.6	49
50	Application of the comet assay in human biomonitoring: An hCOMET perspective. <i>Mutation Research - Reviews in Mutation Research</i> , <b>2020</b> , 783, 108288	7	48
49	Metabolomics of prolonged fasting in humans reveals new catabolic markers. <i>Metabolomics</i> , <b>2011</b> , 7, 375-387	4.7	47
48	Roadmap for investigating epigenome deregulation and environmental origins of cancer. <i>International Journal of Cancer</i> , <b>2018</b> , 142, 874-882	7.5	46
47	Increased salicylate concentrations in urine of human volunteers after consumption of cranberry juice. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 2897-900	5.7	46
46	Kaempferol induced inhibition of HL-60 cell growth results from a heterogeneous response, dominated by cell cycle alterations. <i>Chemico-Biological Interactions</i> , <b>2007</b> , 170, 76-85	5	45
45	Status of reduced glutathione in the human hepatoma cell line, HEP G2. <i>Biochemical Pharmacology</i> , <b>1988</b> , 37, 3365-8	6	43
44	Diet and deprivation in pregnancy. <i>British Journal of Nutrition</i> , <b>2009</b> , 102, 1487-97	3.6	40
43	Colon cancer and genetic variation in folate metabolism: the clinical bottom line. <i>Journal of Nutrition</i> , <b>2003</b> , 133, 3758S-3766S	4.1	40

42	Associations between two common variants C677T and A1298C in the methylenetetrahydrofolate reductase gene and measures of folate metabolism and DNA stability (strand breaks, misincorporated uracil, and DNA methylation status) in human lymphocytes in vivo. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2004</b> , 13, 1436-43	4	40
41	How the 1932 and 1947 mental surveys of Aberdeen schoolchildren provide a framework to explore the childhood origins of late onset disease and disability. <i>Maturitas</i> , <b>2011</b> , 69, 365-72	5	39
40	Standardization of diagnostic assays for animal acute phase proteins. <i>Advances in Veterinary Medicine</i> , <b>1999</b> , 41, 643-55		39
39	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> , <b>2018</b> , 57, 1855-1872	5.2	38
38	The toxicity of menadione and mitoxantrone in human liver-derived Hep G2 hepatoma cells. <i>Biochemical Pharmacology</i> , <b>1989</b> , 38, 1247-55	6	38
37	The role of reductive and oxidative metabolism in the toxicity of mitoxantrone, adriamycin and menadione in human liver derived Hep G2 hepatoma cells. <i>British Journal of Cancer</i> , <b>1989</b> , 60, 566-71	8.7	37
36	DNA stability and lipid peroxidation in vitamin E-deficient rats in vivo and colon cells in vitro--modulation by the dietary anthocyanin, cyanidin-3-glycoside. <i>European Journal of Nutrition</i> , <b>2005</b> , 44, 195-203	5.2	35
35	Variation in protein levels obtained from human blood cells and biofluids for platelet, peripheral blood mononuclear cell, plasma, urine and saliva proteomics. <i>Genes and Nutrition</i> , <b>2009</b> , 4, 95-102	4.3	32
34	The response of human colonocytes to folate deficiency in vitro: functional and proteomic analyses. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 3254-66	5.6	32
33	Folate deficiency alters hepatic and colon MGMT and OGG-1 DNA repair protein expression in rats but has no effect on genome-wide DNA methylation. <i>Cancer Prevention Research</i> , <b>2010</b> , 3, 92-100	3.2	30
32	Synthesis and biological activities of bisnaphthalimido polyamines derivatives: cytotoxicity, DNA binding, DNA damage and drug localization in breast cancer MCF 7 cells. <i>Biochemical Pharmacology</i> , <b>2005</b> , 69, 19-27	6	27
31	Conjugation reactions in hepatocytes isolated from streptozotocin-induced diabetic rats. <i>Biochemical Pharmacology</i> , <b>1987</b> , 36, 3647-55	6	27
30	DNA repair as a human biomonitoring tool: Comet assay approaches. <i>Mutation Research - Reviews in Mutation Research</i> , <b>2019</b> , 781, 71-87	7	26
29	Suboptimal dietary zinc intake promotes vascular inflammation and atherogenesis in a mouse model of atherosclerosis. <i>Molecular Nutrition and Food Research</i> , <b>2012</b> , 56, 1097-105	5.9	26
28	Rapid quantification of aortic lesions in apoE(-/-) mice. <i>Journal of Vascular Research</i> , <b>2009</b> , 46, 347-52	1.9	26
27	2D-electrophoresis and multiplex immunoassay proteomic analysis of different body fluids and cellular components reveal known and novel markers for extended fasting. <i>BMC Medical Genomics</i> , <b>2011</b> , 4, 24	3.7	24
26	The influence of smoking and diet on the hypoxanthine phosphoribosyltransferase (hprt) mutant frequency in circulating T lymphocytes from a normal human population. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>1995</b> , 331, 55-64	3.3	24
25	Changes in vitamin biomarkers during a 2-year intervention trial involving increased fruit and vegetable consumption by free-living volunteers. <i>British Journal of Nutrition</i> , <b>2009</b> , 102, 1477-86	3.6	22

24	The NuGO proof of principle study package: a collaborative research effort of the European Nutrigenomics Organisation. <i>Genes and Nutrition</i> , <b>2008</b> , 3, 147-51	4.3	22
23	The effect of short-term kaempferol exposure on reactive oxygen levels and integrity of human (HL-60) leukaemic cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2005</b> , 1740, 340-9	6.9	22
22	Micronutrients and oxidative stress in the aetiology of cancer. <i>Proceedings of the Nutrition Society</i> , <b>1994</b> , 53, 67-75	2.9	20
21	Differential effects of nutritional folic acid deficiency and moderate hyperhomocysteinemia on aortic plaque formation and genome-wide DNA methylation in vascular tissue from ApoE <sup>-/-</sup> mice. <i>Clinical Epigenetics</i> , <b>2011</b> , 2, 361-8	7.7	17
20	Homocysteine, antioxidant micronutrients and late onset dementia. <i>European Journal of Nutrition</i> , <b>2014</b> , 53, 277-85	5.2	16
19	Bisnaphthalimidopropyl spermidine induces apoptosis within colon carcinoma cells. <i>Chemico-Biological Interactions</i> , <b>2009</b> , 177, 1-6	5	14
18	Effects of wheat and oat-based whole grain foods on serum lipoprotein size and distribution in overweight middle aged people: a randomised controlled trial. <i>PLoS ONE</i> , <b>2013</b> , 8, e70436	3.7	12
17	Postprandial cell defense system responses to meal formulations: stratification through gene expression profiling. <i>Molecular Nutrition and Food Research</i> , <b>2014</b> , 58, 2066-79	5.9	10
16	Nutritional B vitamin deficiency disrupts lipid metabolism causing accumulation of proatherogenic lipoproteins in the aorta adventitia of ApoE null mice. <i>Molecular Nutrition and Food Research</i> , <b>2012</b> , 56, 1122-30	5.9	10
15	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> , <b>2019</b> , 843, 73-80	3	9
14	The role of carotenoids in modulating DNA stability and lipid peroxidation. Importance for human health. <i>Sub-Cellular Biochemistry</i> , <b>1998</b> , 30, 181-207	5.5	7
13	Oral human papillomavirus infection in England and associated risk factors: a case-control study. <i>BMJ Open</i> , <b>2018</b> , 8, e022497	3	6
12	The influence of bisnaphthalimidopropyl polyamines on DNA instability and repair in Caco-2 colon epithelial cells. <i>Cell Biology and Toxicology</i> , <b>2011</b> , 27, 455-63	7.4	6
11	The cytotoxicity of menadione in hepatocytes isolated from streptozotocin-induced diabetic rats. <i>Biochemical Pharmacology</i> , <b>1988</b> , 37, 3793-6	6	6
10	Nutritional B vitamin deficiency alters the expression of key proteins associated with vascular smooth muscle cell proliferation and migration in the aorta of atherosclerotic apolipoprotein E null mice. <i>Genes and Nutrition</i> , <b>2015</b> , 10, 446	4.3	5
9	Effect of folic Acid supplementation on the folate status of buccal mucosa and lymphocytes. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2004</b> , 13, 1244-9	4	5
8	Folate deficiency promotes differentiation of vascular smooth muscle cells without affecting the methylation status of regulated genes. <i>Biochemical Journal</i> , <b>2019</b> , 476, 2769-2795	3.8	2
7	Cloning of canine IL-1ra, TNFR and TIMP-2. <i>Veterinary Immunology and Immunopathology</i> , <b>2001</b> , 78, 207-14		2

6	Caspase-independence and characterization of bisnaphthalimidopropyl spermidine induced cytotoxicity in HL60 cells. <i>Toxicology in Vitro</i> , <b>2018</b> , 52, 342-350	3.6	1
5	Cigarette smoking as an inducer of oxidative stress in relation to disease pathogenesis <b>2000</b> , 977-993		1
4	How good is our neonatal BCG uptake? A snapshot in Grampian. <i>Journal of Public Health</i> , <b>2016</b> , 38, e122-4.5		
3	Foodomics Study of Micronutrients: The Case of Folates <b>2013</b> , 381-403		
2	Future of PETS. <i>Veterinary Record</i> , <b>2010</b> , 166, 373	0.9	
1	The Influence of Folic Acid on DNA Stability in Human Cells <b>2000</b> , 143-146		