

Susan J Duthie

List of Publications by Year in Descending Order

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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.

77
papers

5,740⁰
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	Application of the comet assay in human biomonitoring: An hCOMET perspective. <i>Mutation Research - Reviews in Mutation Research</i> , 2020 , 783, 108288	7	48
76	Folate deficiency promotes differentiation of vascular smooth muscle cells without affecting the methylation status of regulated genes. <i>Biochemical Journal</i> , 2019 , 476, 2769-2795	3.8	2
75	DNA repair as a human biomonitoring tool: Comet assay approaches. <i>Mutation Research - Reviews in Mutation Research</i> , 2019 , 781, 71-87	7	26
74	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	3	9
73	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	5.2	38
72	Roadmap for investigating epigenome deregulation and environmental origins of cancer. <i>International Journal of Cancer</i> , 2018 , 142, 874-882	7.5	46
71	Caspase-independence and characterization of bisnaphthalimidopropyl spermidine induced cytotoxicity in HL60 cells. <i>Toxicology in Vitro</i> , 2018 , 52, 342-350	3.6	1
70	Oral human papillomavirus infection in England and associated risk factors: a case-control study. <i>BMJ Open</i> , 2018 , 8, e022497	3	6
69	How good is our neonatal BCG uptake? A snapshot in Grampian. <i>Journal of Public Health</i> , 2016 , 38, e122-125	4.5	1
68	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> , 2015 , 10, 446	4.3	5
67	Postprandial cell defense system responses to meal formulations: stratification through gene expression profiling. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 2066-79	5.9	10
66	Homocysteine, antioxidant micronutrients and late onset dementia. <i>European Journal of Nutrition</i> , 2014 , 53, 277-85	5.2	16
65	Foodomics Study of Micronutrients: The Case of Folates 2013 , 381-403		
64	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> , 2013 , 8, e70436	3.7	12
63	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> , 2012 , 56, 1122-30	5.9	10
62	Suboptimal dietary zinc intake promotes vascular inflammation and atherogenesis in a mouse model of atherosclerosis. <i>Molecular Nutrition and Food Research</i> , 2012 , 56, 1097-105	5.9	26
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> , 2012 , 95, 1013-22	7	80

60	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> , 2011 , 69, 365-72	5	39
59	Epigenetic modifications and human pathologies: cancer and CVD. <i>Proceedings of the Nutrition Society</i> , 2011 , 70, 47-56	2.9	78
58	Folate and cancer: how DNA damage, repair and methylation impact on colon carcinogenesis. <i>Journal of Inherited Metabolic Disease</i> , 2011 , 34, 101-9	5.4	179
57	The influence of bisnaphthalimidopropyl polyamines on DNA instability and repair in Caco-2 colon epithelial cells. <i>Cell Biology and Toxicology</i> , 2011 , 27, 455-63	7.4	6
56	Metabolomics of prolonged fasting in humans reveals new catabolic markers. <i>Metabolomics</i> , 2011 , 7, 375-387	4.7	47
55	Differential effects of nutritional folic acid deficiency and moderate hyperhomocysteinemia on aortic plaque formation and genome-wide DNA methylation in vascular tissue from ApoE ^{-/-} mice. <i>Clinical Epigenetics</i> , 2011 , 2, 361-8	7.7	17
54	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> , 2011 , 4, 24	3.7	24
53	Future of PETS. <i>Veterinary Record</i> , 2010 , 166, 373	0.9	
52	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> , 2010 , 3, 92-100	3.2	30
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> , 2010 , 9, 1941-50	5.6	49
50	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> , 2010 , 92, 733-40	7	217
49	Rapid quantification of aortic lesions in apoE ^(-/-) mice. <i>Journal of Vascular Research</i> , 2009 , 46, 347-52	1.9	26
48	Bisnaphthalimidopropyl spermidine induces apoptosis within colon carcinoma cells. <i>Chemico-Biological Interactions</i> , 2009 , 177, 1-6	5	14
47	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> , 2009 , 4, 95-102	4.3	32
46	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> , 2009 , 102, 1477-86	3.6	22
45	Diet and deprivation in pregnancy. <i>British Journal of Nutrition</i> , 2009 , 102, 1487-97	3.6	40
44	Proteomic methodological recommendations for studies involving human plasma, platelets, and peripheral blood mononuclear cells. <i>Journal of Proteome Research</i> , 2008 , 7, 2280-90	5.6	69
43	The response of human colonocytes to folate deficiency in vitro: functional and proteomic analyses. <i>Journal of Proteome Research</i> , 2008 , 7, 3254-66	5.6	32

42	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> , 2008 , 88, 465-74	7	123
41	The NuGO proof of principle study package: a collaborative research effort of the European Nutrigenomics Organisation. <i>Genes and Nutrition</i> , 2008 , 3, 147-51	4.3	22
40	Biphasic effect of falcarinol on caco-2 cell proliferation, DNA damage, and apoptosis. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 618-23	5.7	51
39	Berry phytochemicals, genomic stability and cancer: evidence for chemoprotection at several stages in the carcinogenic process. <i>Molecular Nutrition and Food Research</i> , 2007 , 51, 665-74	5.9	129
38	Kaempferol induced inhibition of HL-60 cell growth results from a heterogeneous response, dominated by cell cycle alterations. <i>Chemico-Biological Interactions</i> , 2007 , 170, 76-85	5	45
37	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> , 2007 , 36, 521-6	3	58
36	Increased salicylate concentrations in urine of human volunteers after consumption of cranberry juice. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 2897-900	5.7	46
35	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> , 2005 , 1740, 340-9	6.9	22
34	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> , 2005 , 93, 233-40	3.6	96
33	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> , 2005 , 69, 19-27	6	27
32	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> , 2005 , 44, 195-203	5.2	35
31	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> , 2004 , 134, 3121-6	4.1	51
30	Folate, DNA stability and colo-rectal neoplasia. <i>Proceedings of the Nutrition Society</i> , 2004 , 63, 571-8	2.9	52
29	Effect of folic Acid supplementation on the folate status of buccal mucosa and lymphocytes. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2004 , 13, 1244-9	4	5
28	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> , 2004 , 13, 1436-43	4	40
27	Colon cancer and genetic variation in folate metabolism: the clinical bottom line. <i>Journal of Nutrition</i> , 2003 , 133, 3758S-3766S	4.1	40
26	Impact of folate deficiency on DNA stability. <i>Journal of Nutrition</i> , 2002 , 132, 2444S-2449S	4.1	158
25	Serum concentrations of homocysteine are elevated during early pregnancy in rodent models of fetal programming. <i>British Journal of Nutrition</i> , 2002 , 88, 471-7	3.6	53

24	Homocysteine, B vitamin status, and cognitive function in the elderly. <i>American Journal of Clinical Nutrition</i> , 2002 , 75, 908-13	7	193
23	Anthocyanin-rich extract decreases indices of lipid peroxidation and DNA damage in vitamin E-depleted rats. <i>Free Radical Biology and Medicine</i> , 2001 , 31, 1033-7	7.8	182
22	Cloning of canine IL-1ra, TNFR and TIMP-2. <i>Veterinary Immunology and Immunopathology</i> , 2001 , 78, 207-14		2
21	The Influence of Folic Acid on DNA Stability in Human Cells 2000 , 143-146		
20	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> , 2000 , 37, 245-51	2.8	164
19	Plant polyphenols in cancer and heart disease: implications as nutritional antioxidants. <i>Nutrition Research Reviews</i> , 2000 , 13, 79-106	7	528
18	Effects of phytoestrogens on growth and DNA integrity in human prostate tumor cell lines: PC-3 and LNCaP. <i>Nutrition and Cancer</i> , 2000 , 38, 223-8	2.8	54
17	Cigarette smoking as an inducer of oxidative stress in relation to disease pathogenesis 2000 , 977-993		1
16	Standardization of diagnostic assays for animal acute phase proteins. <i>Advances in Veterinary Medicine</i> , 1999 , 41, 643-55		39
15	The role of carotenoids in modulating DNA stability and lipid peroxidation. Importance for human health. <i>Sub-Cellular Biochemistry</i> , 1998 , 30, 181-207	5.5	7
14	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> , 1997 , 22, 717-24	7.8	102
13	Comet assay in human biomonitoring studies: reliability, validation, and applications. <i>Environmental and Molecular Mutagenesis</i> , 1997 , 30, 139-46	3.2	454
12	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> , 1995 , 331, 55-64	3.3	24
11	The kinetics of repair of oxidative DNA damage (strand breaks and oxidised pyrimidines) in human cells. <i>Mutation Research DNA Repair</i> , 1995 , 336, 69-77		492
10	Micronutrients and oxidative stress in the aetiology of cancer. <i>Proceedings of the Nutrition Society</i> , 1994 , 53, 67-75	2.9	20
9	Direct enzymic detection of endogenous oxidative base damage in human lymphocyte DNA. <i>Carcinogenesis</i> , 1993 , 14, 1733-5	4.6	725
8	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> , 1989 , 60, 566-71	8.7	37
7	The toxicity of menadione and mitozantrone in human liver-derived Hep G2 hepatoma cells. <i>Biochemical Pharmacology</i> , 1989 , 38, 1247-55	6	38

6	Mixed function oxidase and UDP-glucuronyltransferase activities in the human Hep G2 hepatoma cell line. <i>Biochemical Pharmacology</i> , 1988 , 37, 4111-6	6	116
5	The cytotoxicity of menadione in hepatocytes isolated from streptozotocin-induced diabetic rats. <i>Biochemical Pharmacology</i> , 1988 , 37, 3793-6	6	6
4	Status of reduced glutathione in the human hepatoma cell line, HEP G2. <i>Biochemical Pharmacology</i> , 1988 , 37, 3365-8	6	43
3	The influence of culture medium composition on drug metabolising enzyme activities of the human liver derived Hep G2 cell line. <i>FEBS Letters</i> , 1988 , 241, 15-8	3.8	64
2	Conjugation reactions in hepatocytes isolated from streptozotocin-induced diabetic rats. <i>Biochemical Pharmacology</i> , 1987 , 36, 3647-55	6	27
1	Human adult hepatocytes in primary monolayer culture. Maintenance of mixed function oxidase and conjugation pathways of drug metabolism. <i>Biochemical Pharmacology</i> , 1987 , 36, 2311-6	6	82