Susan J Duthie

List of Publications by Year
in descending order

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77 papers	6,788 citations	81743 39 h-index	76769 74 g-index
79 all docs	79 docs citations	79 times ranked	8425 citing authors

#	Article	IF	Citations
1	Direct enzymic detection of endogenous oxidative base damage in human lymphocyte DNA. Carcinogenesis, 1993, 14, 1733-1735.	1.3	790
2	Plant polyphenols in cancer and heart disease: implications as nutritional antioxidants. Nutrition Research Reviews, 2000, 13, 79-106.	2.1	626
3	The kinetics of repair of oxidative DNA damage (strand breaks and oxidised pyrimidines) in human cells. Mutation Research DNA Repair, 1995, 336, 69-77.	3.8	600
4	Comet assay in human biomonitoring studies: Reliability, validation, and applications. , 1997, 30, 139-146.		555
5	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. American Journal of Clinical Nutrition, 2010, 92, 733-740.	2.2	253
6	Homocysteine, B vitamin status, and cognitive function in the elderly. American Journal of Clinical Nutrition, 2002, 75, 908-913.	2.2	231
7	Anthocyanin-rich extract decreases indices of lipid peroxidation and DNA damage in vitamin E-depleted rats. Free Radical Biology and Medicine, 2001, 31, 1033-1037.	1.3	218
8	Folate and cancer: how DNA damage, repair and methylation impact on colon carcinogenesis. Journal of Inherited Metabolic Disease, 2011, 34, 101-109.	1.7	214
9	Impact of Folate Deficiency on DNA Stability. Journal of Nutrition, 2002, 132, 2444S-2449S.	1.3	208
10	Folate Deficiency In Vitro Induces Uracil Misincorporation and DNA Hypomethylation and Inhibits DNA Excision Repair in Immortalized Normal Human Colon Epithelial Cells. Nutrition and Cancer, 2000, 37, 245-251.	0.9	190
11	Berry phytochemicals, genomic stability and cancer: Evidence for chemoprotection at several stages in the carcinogenic process. Molecular Nutrition and Food Research, 2007, 51, 665-674.	1.5	148
12	Effect of potassium citrate supplementation or increased fruit and vegetable intake on bone metabolism in healthy postmenopausal women: a randomized controlled trial. American Journal of Clinical Nutrition, 2008, 88, 465-474.	2.2	148
13	Mixed function oxidase and UDP-glucuronyltransferase activities in the human Hep G2 hepatoma cell line. Biochemical Pharmacology, 1988, 37, 4111-4116.	2.0	119
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. Free Radical Biology and Medicine, 1997, 22, 717-724.	1.3	116
15	The influence of moderate red wine consumption on antioxidant status and indices of oxidative stress associated with CHD in healthy volunteers. British Journal of Nutrition, 2005, 93, 233-240.	1.2	110
16	Effect of a tomato-rich diet on markers of cardiovascular disease risk in moderately overweight, disease-free, middle-aged adults: a randomized controlled trial. American Journal of Clinical Nutrition, 2012, 95, 1013-1022.	2.2	105
17	Epigenetic modifications and human pathologies: cancer and CVD. Proceedings of the Nutrition Society, 2011, 70, 47-56.	0.4	97
18	Application of the comet assay in human biomonitoring: An hCOMET perspective. Mutation Research - Reviews in Mutation Research, 2020, 783, 108288.	2.4	95

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19	Human adult hepatocytes in primary monolayer culture. Biochemical Pharmacology, 1987, 36, 2311-2316.	2.0	85
20	Proteomic Methodological Recommendations for Studies Involving Human Plasma, Platelets, and Peripheral Blood Mononuclear Cells. Journal of Proteome Research, 2008, 7, 2280-2290.	1.8	79
21	The influence of culture medium composition on drug metabolising enzyme activities of the human liver derived Hep G2 cell line. FEBS Letters, 1988, 241, 15-18.	1.3	73
22	Effect of increasing fruit and vegetable intake by dietary intervention on nutritional biomarkers and attitudes to dietary change: a randomised trial. European Journal of Nutrition, 2018, 57, 1855-1872.	1.8	68
23	Effects of Phytoestrogens on Growth and DNA Integrity in Human Prostate Tumor Cell Lines: PC-3 and LNCaP. Nutrition and Cancer, 2000, 38, 223-228.	0.9	64
24	Age-related increases in DNA repair and antioxidant protection: A comparison of the Boyd Orr Cohort of elderly subjects with a younger population sample. Age and Ageing, 2007, 36, 521-526.	0.7	64
25	Roadmap for investigating epigenome deregulation and environmental origins of cancer. International Journal of Cancer, 2018, 142, 874-882.	2.3	64
26	Biphasic Effect of Falcarinol on CaCo-2 Cell Proliferation, DNA Damage, and Apoptosis. Journal of Agricultural and Food Chemistry, 2007, 55, 618-623.	2.4	60
27	Folate, DNA stability and colo-rectal neoplasia. Proceedings of the Nutrition Society, 2004, 63, 571-578.	0.4	60
28	Metabolomics of prolonged fasting in humans reveals new catabolic markers. Metabolomics, 2011, 7, 375-387.	1.4	59
29	Serum concentrations of homocysteine are elevated during early pregnancy in rodent models of fetal programming. British Journal of Nutrition, 2002, 88, 471-477.	1.2	57
30	Dietary Isothiocyanates Inhibit Caco-2 Cell Proliferation and Induce G2/M Phase Cell Cycle Arrest, DNA Damage, and G2/M Checkpoint Activation. Journal of Nutrition, 2004, 134, 3121-3126.	1.3	55
31	Kaempferol induced inhibition of HL-60 cell growth results from a heterogeneous response, dominated by cell cycle alterations. Chemico-Biological Interactions, 2007, 170, 76-85.	1.7	54
32	Increased Salicylate Concentrations in Urine of Human Volunteers after Consumption of Cranberry Juice. Journal of Agricultural and Food Chemistry, 2005, 53, 2897-2900.	2.4	53
33	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. Journal of Proteome Research, 2010, 9, 1941-1950.	1.8	51
34	Diet and deprivation in pregnancy. British Journal of Nutrition, 2009, 102, 1487-1497.	1.2	50
35	Standardization of Diagnostic Assays for Animal Acute Phase Proteins. Advances in Veterinary Medicine, 1999, 41, 643-655.	0.6	49
36	Status of reduced glutathione in the human hepatoma cell line, HEP G2. Biochemical Pharmacology, 1988, 37, 3365-3368.	2.0	45

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37	Colon Cancer and Genetic Variation in Folate Metabolism: The Clinical Bottom Line. Journal of Nutrition, 2003, 133, 3758S-3766S.	1.3	44
38	How the 1932 and 1947 mental surveys of Aberdeen schoolchildren provide a framework to explore the childhood origins of late onset disease and disability. Maturitas, 2011, 69, 365-372.	1.0	42
39	Associations between two common variants C677T and A1298C in the methylenetetrahydrofolate reductase gene and measures of folate metabolism and DNA stability (strand breaks, misincorporated) Tj ETQq1 1 0.784314 rgBT /Overl and Prevention, 2004, 13, 1436-43.	1.1	41
40	The role of reductive and oxidative metabolism in the toxicity of mitoxantrone, adriamycin and menadione in human liver derived Hep G2 hepatoma cells. British Journal of Cancer, 1989, 60, 566-571.	2.9	40
41	DNA stability and lipid peroxidation in vitamin Eâ€“deficient rats in vivo and colon cells in vitro. European Journal of Nutrition, 2005, 44, 195-203.	1.8	40
42	DNA repair as a human biomonitoring tool: Comet assay approaches. Mutation Research - Reviews in Mutation Research, 2019, 781, 71-87.	2.4	40
43	The toxicity of menadione and mitozantrone in human liver-derived Hep G2 hepatoma cells. Biochemical Pharmacology, 1989, 38, 1247-1255.	2.0	39
44	Variation in protein levels obtained from human blood cells and biofluids for platelet, peripheral blood mononuclear cell, plasma, urine and saliva proteomics. Genes and Nutrition, 2009, 4, 95-102.	1.2	38
45	The Response of Human Colonocytes to Folate Deficiency in Vitro: Functional and Proteomic Analyses. Journal of Proteome Research, 2008, 7, 3254-3266.	1.8	37
46	Rapid Quantification of Aortic Lesions in ApoE^{â€“/â€“} Mice. Journal of Vascular Research, 2009, 46, 347-352.	0.6	37
47	Suboptimal dietary zinc intake promotes vascular inflammation and atherogenesis in a mouse model of atherosclerosis. Molecular Nutrition and Food Research, 2012, 56, 1097-1105.	1.5	37
48	Folic-acid-mediated inhibition of human colon-cancer cell growth. Nutrition, 2001, 17, 736-737.	1.1	35
49	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. Cancer Prevention Research, 2010, 3, 92-100.	0.7	33
50	Conjugation reactions in hepatocytes isolated from streptozotocin-induced diabetic rats. Biochemical Pharmacology, 1987, 36, 3647-3655.	2.0	29
51	Synthesis and biological activities of bisnaphthalimido polyamines derivatives: cytotoxicity, DNA binding, DNA damage and drug localization in breast cancer MCF 7 cells. Biochemical Pharmacology, 2005, 69, 19-27.	2.0	29
52	The effect of short-term kaempferol exposure on reactive oxygen levels and integrity of human (HL-60) leukaemic cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2005, 1740, 340-349.	1.8	29
53	The influence of smoking and diet on the hypoxanthine phosphoribosyltransferase (hprt) mutant frequency in circulating T lymphocytes from a normal human population. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1995, 331, 55-64.	0.4	26
54	2D-electrophoresis and multiplex immunoassay proteomic analysis of different body fluids and cellular components reveal known and novel markers for extended fasting. BMC Medical Genomics, 2011, 4, 24.	0.7	26

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55	Micronutrients and oxidative stress in the aetiology of cancer. Proceedings of the Nutrition Society, 1994, 53, 67-75.	0.4	25
56	The NuGO proof of principle study package: a collaborative research effort of the European Nutrigenomics Organisation. Genes and Nutrition, 2008, 3, 147-151.	1.2	22
57	Changes in vitamin biomarkers during a 2-year intervention trial involving increased fruit and vegetable consumption by free-living volunteers. British Journal of Nutrition, 2009, 102, 1477-1486.	1.2	22
58	Homocysteine, antioxidant micronutrients and late onset dementia. European Journal of Nutrition, 2014, 53, 277-285.	1.8	20
59	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. Clinical Epigenetics, 2011, 2, 361-368.	1.8	18
60	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. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 843, 73-80.	0.9	18
61	Bisnaphthalimidopropyl spermidine induces apoptosis within colon carcinoma cells. Chemico-Biological Interactions, 2009, 177, 1-6.	1.7	16
62	Oral human papillomavirus infection in England and associated risk factors: a caseâ€“control study. BMJ Open, 2018, 8, e022497.	0.8	15
63	Effects of Wheat and Oat-Based Whole Grain Foods on Serum Lipoprotein Size and Distribution in Overweight Middle Aged People: A Randomised Controlled Trial. PLoS ONE, 2013, 8, e70436.	1.1	14
64	Nutritional <scp>B</scp> vitamin deficiency disrupts lipid metabolism causing accumulation of proatherogenic lipoproteins in the aorta adventitia of <scp>A</scp>po<scp>E</scp> null mice. Molecular Nutrition and Food Research, 2012, 56, 1122-1130.	1.5	11
65	Postprandial cell defense system responses to meal formulations: Stratification through gene expression profiling. Molecular Nutrition and Food Research, 2014, 58, 2066-2079.	1.5	11
66	The Role of Carotenoids in Modulating DNA Stability and Lipid Peroxidation. Sub-Cellular Biochemistry, 1998, 30, 181-207.	1.0	8
67	The influence of bisnaphthalimidopropyl polyamines on DNA instability and repair in Caco-2 colon epithelial cells. Cell Biology and Toxicology, 2011, 27, 455-463.	2.4	7
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. Genes and Nutrition, 2015, 10, 446.	1.2	7
69	The cytotoxicity of menadione in hepatocytes isolated from streptozotocin-induced diabetic rats. Biochemical Pharmacology, 1988, 37, 3793-3796.	2.0	6
70	Effect of folic Acid supplementation on the folate status of buccal mucosa and lymphocytes. Cancer Epidemiology Biomarkers and Prevention, 2004, 13, 1244-9.	1.1	5
71	Cloning of canine IL-1ra, TNFR and TIMP-2. Veterinary Immunology and Immunopathology, 2001, 78, 207-214.	0.5	2
72	Folate deficiency promotes differentiation of vascular smooth muscle cells without affecting the methylation status of regulated genes. Biochemical Journal, 2019, 476, 2769-2795.	1.7	2

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73	How good is our neonatal BCG uptake? A snapshot in Grampian. Journal of Public Health, 2016, 38, e122-e124.	1.0	1
74	Caspase-independence and characterization of bisnaphthalimidopropyl spermidine induced cytotoxicity in HL60 cells. Toxicology in Vitro, 2018, 52, 342-350.	1.1	1
75	Cigarette smoking as an inducer of oxidative stress in relation to disease pathogenesis. , 2000, , 977-993.		1
76	The Influence of Folic Acid on DNA Stability in Human Cells. , 2000, , 143-146.		0
77	Future of PETS. Veterinary Record, 2010, 166, 373-373.	0.2	0