Nancy D Turner

List of Publications by Year
in descending order

90 papers	5,790 citations	136885 32 h-index	85498 71 g-index
91 all docs	91 docs citations	91 times ranked	8422 citing authors

#	Article	IF	Citations
1	Glutathione Metabolism and Its Implications for Health. Journal of Nutrition, 2004, 134, 489-492.	1.3	2,864
2	Suppression of colon carcinogenesis by bioactive compounds in grapefruit. Carcinogenesis, 2006, 27, 1257-1265.	1.3	165
3	Chemopreventive n-3 Polyunsaturated Fatty Acids Reprogram Genetic Signatures during Colon Cancer Initiation and Progression in the Rat. Cancer Research, 2004, 64, 6797-6804.	0.4	136
4	Fish oil increases mitochondrial phospholipid unsaturation, upregulating reactive oxygen species and apoptosis in rat colonocytes. Carcinogenesis, 2002, 23, 1919-1926.	1.3	129
5	Wheat Bran Diet Reduces Tumor Incidence in a Rat Model of Colon Cancer Independent of Effects on Distal Luminal Butyrate Concentrations ,. Journal of Nutrition, 1997, 127, 2217-2225.	1.3	121
6	Apigenin and naringenin suppress colon carcinogenesis through the aberrant crypt stage in azoxymethane-treated rats. Experimental Biology and Medicine, 2010, 235, 710-717.	1.1	113
7	Association between red meat consumption and colon cancer: A systematic review of experimental results. Experimental Biology and Medicine, 2017, 242, 813-839.	1.1	99
8	Dietary fish oil and pectin enhance colonocyte apoptosis in part through suppression of PPARÎ´/PGE 2 and elevation of PGE 3. Carcinogenesis, 2008, 29, 790-796.	1.3	98
9	Bayesian Hierarchical Spatially Correlated Functional Data Analysis with Application to Colon Carcinogenesis. Biometrics, 2008, 64, 64-73.	0.8	95
10	Quercetin May Suppress Rat Aberrant Crypt Foci Formation by Suppressing Inflammatory Mediators That Influence Proliferation and Apoptosis. Journal of Nutrition, 2009, 139, 101-105.	1.3	91
11	Dietary nâ^'3 PUFA alter colonocyte mitochondrial membrane composition and function. Lipids, 2002, 37, 193-199.	0.7	86
12	Opportunities for nutritional amelioration of radiation-induced cellular damage. Nutrition, 2002, 18, 904-912.	1.1	81
13	Dietary Fiber. Advances in Nutrition, 2011, 2, 151-152.	2.9	81
14	An Increase in Reactive Oxygen Species by Dietary Fish Oil Coupled with the Attenuation of Antioxidant Defenses by Dietary Pectin Enhances Rat Colonocyte Apoptosis. Journal of Nutrition, 2004, 134, 3233-3238.	1.3	80
15	Carotenoid bioaccessibility from nine raw carotenoidâ€storing fruits and vegetables using an in vitro model. Journal of the Science of Food and Agriculture, 2012, 92, 2603-2610.	1.7	77
16	Space Environmental Factor Impacts upon Murine Colon Microbiota and Mucosal Homeostasis. PLoS ONE, 2015, 10, e0125792.	1.1	73
17	Bioactive Compounds of Grapefruit (Citrus paradisiCv. Rio Red) Respond Differently to Postharvest Irradiation, Storage, and Freeze Drying. Journal of Agricultural and Food Chemistry, 2005, 53, 3980-3985.	2.4	72
18	Effects of Sorghum [Sorghum bicolor (L.) Moench] Crude Extracts on Starch Digestibility, Estimated Glycemic Index (EGI), and Resistant Starch (RS) Contents of Porridges. Molecules, 2012, 17, 11124-11138.	1.7	67

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19	Polyphenol-rich sorghum brans alter colon microbiota and impact species diversity and species richness after multiple bouts of dextran sodium sulfate-induced colitis. FEMS Microbiology Ecology, 2015, 91, .	1.3	66
20	Antagonism of CD95 signaling blocks butyrate induction of apoptosis in young adult mouse colonic cells. American Journal of Physiology - Cell Physiology, 1999, 277, C310-C319.	2.1	65
21	Fish Oil Enhances Targeted Apoptosis During Colon Tumor Initiation in Part by Downregulating Bcl-2. Nutrition and Cancer, 2003, 46, 44-51.	0.9	63
22	Potential protective mechanisms of wheat bran fiber. American Journal of Medicine, 1999, 106, 24-27.	0.6	61
23	Pro-oxidant environment of the colon compared to the small intestine may contribute to greater cancer susceptibility. Cancer Letters, 2004, 208, 155-161.	3.2	61
24	Upregulation of p21Waf1/Cip1 expression in vivo by butyrate administration can be chemoprotective or chemopromotive depending on the lipid component of the diet. Carcinogenesis, 2008, 29, 1415-1420.	1.3	60
25	Colon cancer cell apoptosis is induced by combined exposure to the n-3 fatty acid docosahexaenoic acid and butyrate through promoter methylation. Experimental Biology and Medicine, 2014, 239, 302-310.	1.1	56
26	Fish Oil Decreases Oxidative DNA Damage by Enhancing Apoptosis in Rat Colon. Nutrition and Cancer, 2005, 52, 166-175.	0.9	53
27	Growth patterns and body composition of transgenic mice expressing mutated bovine somatotropin genes1. Journal of Animal Science, 1994, 72, 2812-2819.	0.2	46
28	Shaping functional gut microbiota using dietary bioactives to reduce colon cancer risk. Seminars in Cancer Biology, 2017, 46, 191-204.	4.3	45
29	A chemoprotective fish oil/pectin diet enhances apoptosis via Bcl-2 promoter methylation in rat azoxymethane-induced carcinomas. Experimental Biology and Medicine, 2012, 237, 1387-1393.	1.1	44
30	Anatomical site-specific response to DNA damage is related to later tumor development in the rat azoxymethane colon carcinogenesis model. Carcinogenesis, 2001, 22, 1831-1835.	1.3	41
31	Morphodensitometric analysis of protein kinase C Î² II expression in rat colon: modulation by diet and relation to in situ cell proliferation and apoptosis. Carcinogenesis, 2000, 21, 1513-1519.	1.3	40
32	Non-invasive detection of fecal protein kinase C betaII and zeta messenger RNA: putative biomarkers for colon cancer. Carcinogenesis, 1998, 19, 253-257.	1.3	38
33	Differential Response to DNA Damage May Explain Different Cancer Susceptibility Between Small and Large Intestine. Experimental Biology and Medicine, 2005, 230, 464-471.	1.1	32
34	A Chemoprotective Fish Oil- and Pectin-Containing Diet Temporally Alters Gene Expression Profiles in Exfoliated Rat Colonocytes throughout Oncogenesis. Journal of Nutrition, 2011, 141, 1029-1035.	1.3	30
35	Rapidly cycling Lgr5+ stem cells are exquisitely sensitive to extrinsic dietary factors that modulate colon cancer risk. Cell Death and Disease, 2016, 7, e2460-e2460.	2.7	30
36	Dietary fiber and coronary disease: Does the evidence support an association?. Current Atherosclerosis Reports, 2003, 5, 500-505.	2.0	29

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37	Impact of Novel Sorghum Bran Diets on DSS-Induced Colitis. Nutrients, 2017, 9, 330.	1.7	29
38	Serum Lipids in Hypercholesterolemic Men and Women Consuming Oat Bran and Amaranth Products. Cereal Chemistry, 2000, 77, 297-302.	1.1	28
39	Lime treatment of agricultural residues to improve rumen digestibility. Animal Feed Science and Technology, 1997, 68, 195-211.	1.1	27
40	Aberrant Crypt Foci and Semiparametric Modeling of Correlated Binary Data. Biometrics, 2008, 64, 490-500.	0.8	26
41	The Microbiome and Colorectal Neoplasia: Environmental Modifiers of Dysbiosis. Current Gastroenterology Reports, 2013, 15, 346.	1.1	25
42	Effects of Brans from Specialty Sorghum Varieties on In Vitro Starch Digestibility of Soft and Hard Sorghum Endosperm Porridges. Cereal Chemistry, 2012, 89, 190-197.	1.1	23
43	Diet and Carcinogen Alter the Fecal Microbial Populations of Rats. Journal of Nutrition, 1997, 127, 449-457.	1.3	22
44	In Vivo Regulation of Colonic Cell Proliferation, Differentiation, Apoptosis, and P27Kip1 by Dietary Fish Oil and Butyrate in Rats. Cancer Prevention Research, 2015, 8, 1076-1083.	0.7	22
45	Plum polyphenols inhibit colorectal aberrant crypt foci formation in rats: potential role of the miR-143/protein kinase B/mammalian target of rapamycin axis. Nutrition Research, 2016, 36, 1105-1113.	1.3	22
46	Nonparametric estimation of correlation functions in longitudinal and spatial data, with application to colon carcinogenesis experiments. Annals of Statistics, 2007, 35, 1608.	1.4	21
47	Homeostatic responses of colonic LGR5⁺stem cells following acutein vivoexposure to a genotoxic carcinogen. Carcinogenesis, 2016, 37, 206-214.	1.3	19
48	Morphodensitometric analysis of protein kinase C Î²II expression in rat colon: modulation by diet and relation to in situ cell proliferation and apoptosis. Carcinogenesis, 2000, 21, 1513-1519.	1.3	17
49	Parametric and Nonparametric Methods for Understanding the Relationship Between Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon. Journal of the American Statistical Association, 2001, 96, 816-826.	1.8	14
50	Increased dietary iron and radiation in rats promote oxidative stress, induce localized and systemic immune system responses, and alter colon mucosal environment. FASEB Journal, 2014, 28, 1486-1498.	0.2	14
51	Expression of Mutant Bovine Growth Hormone Genes in Mice Perturbs Age-Related Nutrient Utilization Patterns. Journal of Nutrition, 1998, 128, 520-524.	1.3	10
52	Testing for Spatial Correlation in Nonstationary Binary Data, with Application to Aberrant Crypt Foci in Colon Carcinogenesis. Biometrics, 2003, 59, 752-761.	0.8	9
53	Tissue-Specific Attenuation of Endogenous DNA I-Compounds in Rats by Carcinogen Azoxymethane: Possible Role of Dietary Fish Oil in Colon Cancer Prevention. Cancer Epidemiology Biomarkers and Prevention, 2005, 14, 1230-1235.	1.1	9
54	Oncogenic ras alters sensitivity of mouse colonocytes to butyrate and fatty acid mediated growth arrest and apoptosis. Cancer Letters, 2002, 186, 29-35.	3.2	8

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55	Dietary Fiber. Advances in Nutrition, 2021, 12, 2553-2555.	2.9	7
56	Bayesian variable selection in clustering high-dimensional data with substructure. Journal of Agricultural, Biological, and Environmental Statistics, 2008, 13, 407-423.	0.7	6
57	Physical and Mechanical Characteristics of Tibias from Transgenic Mice Expressing Mutant Bovine Growth Hormone Genes. Experimental Biology and Medicine, 2001, 226, 133-139.	1.1	5
58	Sorghumâ€based dietary intervention enriches Faecalibacterium prausnitzii in fecal samples of overweight individuals. FASEB Journal, 2013, 27, 1056.12.	0.2	5
59	A Bayesian analysis of colonic crypt structure and coordinated response to carcinogen exposure incorporating missing crypts. Biostatistics, 2002, 3, 529-546.	0.9	4
60	A two-stage normalization method for partially degraded mRNA microarray data. Bioinformatics, 2005, 21, 4000-4006.	1.8	4
61	Establishment of a multicomponent dietary bioactive human equivalent dose to delete damaged Lgr5+ stem cells using a mouse colon tumor initiation model. European Journal of Cancer Prevention, 2019, 28, 383-389.	0.6	4
62	Effect of treatment temperature on dietary quality of ammonia fiber explosion (AFEX) treated casein for rats. Animal Feed Science and Technology, 1995, 53, 267-277.	1.1	3
63	Comparison of the Chemoprotection Conferred by Grapefruit and Isolated Bioactive Compounds against Colon Cancer. ACS Symposium Series, 2006, , 121-129.	0.5	3
64	Omega-3 fatty acid modulation of serum and osteocyte tumor necrosis factor-Î± in adult mice exposed to ionizing radiation. Journal of Applied Physiology, 2021, 130, 627-639.	1.2	3
65	Evaluation of fecal mRNA reproducibility via a marginal transformed Mixture modeling approach. BMC Bioinformatics, 2010, 11, 13.	1.2	2
66	A polyphenolâ€rich sorghum cereal alters colon microbiota and plasma metabolites in overweight subjects (270.7). FASEB Journal, 2014, 28, 270.7.	0.2	2
67	Comparing Automatic and Manual Image Processing in FLARE Assay Analysis for Colon Carcinogenesis. Statistical Applications in Genetics and Molecular Biology, 2005, 4, Article5.	0.2	1
68	Fish oil and pectin may suppress colon carcinogenesis via inhibition of the MAPK and TGFÎ²pathways. FASEB Journal, 2008, 22, 885.8.	0.2	1
69	Sorghum bran varieties differentially influence endogenous antioxidant enzymes to protect against oxidative stress during colon carcinogenesis. FASEB Journal, 2008, 22, .	0.2	1
70	Novel sorghum brans containing bioactive compounds alter colon microbiota in response to a DSSâ€induced chronic inflammatory state. FASEB Journal, 2013, 27, 247.2.	0.2	1
71	Biography of Joanne R Lupton (1944â€“2020). Journal of Nutrition, 2022, 152, 914-916.	1.3	1
72	Understanding the Relationship between Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon. Advances in Experimental Medicine and Biology, 2003, 537, 105-116.	0.8	0

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73	Fish oil and pectin enhance apoptosis in irradiated rat colonocytes via suppression of PGE synthaseâ€2 and Wnt pathway. FASEB Journal, 2006, 20, A993.	0.2	0
74	A diet containing fish oil and pectin ameliorates radiationâ€enhanced colon carcinogenesis by suppression of PPAR Î´ and PGE synthaseâ€2 (PGES 2)and elevation of PGE 3. FASEB Journal, 2007, 21, A166.	0.2	0
75	A fish oil/pectin diet beneficially altered gene profiles during radiationâ€enhanced colon carcinogenesis. FASEB Journal, 2008, 22, 885.9.	0.2	0
76	Coordinated p27 Kip1 expression as a function of distance between crypts â€•Potential interâ€crypt signaling. FASEB Journal, 2008, 22, 865.4.	0.2	0
77	Dietary lipid source alters quercetin effects on antioxidant enzyme/phase I and II gene expression in rat colon. FASEB Journal, 2009, 23, 897.5.	0.2	0
78	A fish oil/pectin diet suppresses radiationâ€enhanced colon carcinogenesis via downâ€regulation of the Î²â€catenin signaling pathway. FASEB Journal, 2009, 23, 897.6.	0.2	0
79	Rats consuming bran from black and brown sorghums have lower short chain fatty acid concentrations and fewer aberrant colonic crypts. FASEB Journal, 2009, 23, 560.2.	0.2	0
80	Chemoprotective fish oil/pectin diets temporally alter gene expression profiles in exfoliated colonocytes. FASEB Journal, 2009, 23, 222.2.	0.2	0
81	Differential activation of NFâ€ÎºB in colonic mucosa of DSSâ€challenged rats consuming fermentable fiber sources. FASEB Journal, 2010, 24, 727.1.	0.2	0
82	A chemoprotective fish oil/pectin diet regulates the expression of the bclâ€2 oncogene by altering CpG island methylator phenotype (CIMP) in colon cancer. FASEB Journal, 2011, 25, 977.7.	0.2	0
83	Suppression of early colon cancer lesions by apigenin and naringenin is in part due to their downregulation of p21, TLRâ€4, and MCTâ€1 expression. FASEB Journal, 2012, 26, 1023.2.	0.2	0
84	Apigenin and naringenin decrease cell number in a dose dependent manner in nonâ€transformed young adult mouse colonocytes (YAMC) but not in those expressing a dominant negative p53â€mutant (mp53) Tj ETQq0 0 0 rgBT /Overlock 1	0.2	0
85	Abstract CN02-03: Fat-fiber combination: The missing ingredient?. , 2013, , .		0
86	Plum polyphenolics cholorogenic acid suppressed AOMâ€induced colorectal aberrant crypt foci: potential role of miRâ€143/mTOR pathway (644.4). FASEB Journal, 2014, 28, 644.4.	0.2	0
87	Effects of chemoprotective diets on crypt adult stem cells Ã» the cells of origin of colon cancer (819.1). FASEB Journal, 2014, 28, 819.1.	0.2	0
88	A polyphenol rich sumac sorghum cereal alters lipoprotein subfractions resulting in a more cardioprotective lipoprotein profile. FASEB Journal, 2015, 29, 923.1.	0.2	0
89	Chemoprotective natural compounds targeting DNA damaged stem cellsâ€the cells of origin of colon cancer. FASEB Journal, 2015, 29, 670.9.	0.2	0
90	Can Acute Galactic Cosmic Radiation-induced Bone Loss Be Mitigated By Dietary Modulation Of Inflammatory Cytokines?. Medicine and Science in Sports and Exercise, 2019, 51, 406-406.	0.2	0