Nancy D Turner

List of Publications by Year
in descending order

90 papers	5,790 citations	156536 32 h-index	97045 71 g-index
91 all docs	91 docs citations	91 times ranked	9297 citing authors

#	Article	IF	Citations
1	Biography of Joanne R Lupton (1944â€“2020). Journal of Nutrition, 2022, 152, 914-916.	1.3	1
2	Dietary Fiber. Advances in Nutrition, 2021, 12, 2553-2555.	2.9	7
3	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
4	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
5	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
6	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
7	Shaping functional gut microbiota using dietary bioactives to reduce colon cancer risk. Seminars in Cancer Biology, 2017, 46, 191-204.	4.3	45
8	Impact of Novel Sorghum Bran Diets on DSS-Induced Colitis. Nutrients, 2017, 9, 330.	1.7	29
9	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
10	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
11	Homeostatic responses of colonic LGR5⁺stem cells following acutein vivoexposure to a genotoxic carcinogen. Carcinogenesis, 2016, 37, 206-214.	1.3	19
12	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
13	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
14	Space Environmental Factor Impacts upon Murine Colon Microbiota and Mucosal Homeostasis. PLoS ONE, 2015, 10, e0125792.	1.1	73
15	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
16	Chemoprotective natural compounds targeting DNA damaged stem cellsâ€•the cells of origin of colon cancer. FASEB Journal, 2015, 29, 670.9.	0.2	0
17	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
18	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

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19	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
20	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
21	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
22	The Microbiome and Colorectal Neoplasia: Environmental Modifiers of Dysbiosis. Current Gastroenterology Reports, 2013, 15, 346.	1.1	25
23	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 ETQq1 1 0.784314 rgBT /Ov	1.2	64
24	Sorghumâ€based dietary intervention enriches Faecalibacterium prausnitzii in fecal samples of overweight individuals. FASEB Journal, 2013, 27, 1056.12.	0.2	5
25	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
26	Abstract CN02-03: Fat-fiber combination: The missing ingredient?. , 2013, , .		0
27	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
28	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
29	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
30	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
31	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
32	Dietary Fiber. Advances in Nutrition, 2011, 2, 151-152.	2.9	81
33	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
34	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
35	Evaluation of fecal mRNA reproducibility via a marginal transformed Mixture modeling approach. BMC Bioinformatics, 2010, 11, 13.	1.2	2
36	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

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37	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
38	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
39	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
40	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
41	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
42	Chemoprotective fish oil/pectin diets temporally alter gene expression profiles in exfoliated colonocytes. FASEB Journal, 2009, 23, 222.2.	0.2	0
43	Bayesian Hierarchical Spatially Correlated Functional Data Analysis with Application to Colon Carcinogenesis. Biometrics, 2008, 64, 64-73.	0.8	95
44	Aberrant Crypt Foci and Semiparametric Modeling of Correlated Binary Data. Biometrics, 2008, 64, 490-500.	0.8	26
45	Bayesian variable selection in clustering high-dimensional data with substructure. Journal of Agricultural, Biological, and Environmental Statistics, 2008, 13, 407-423.	0.7	6
46	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
47	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
48	Fish oil and pectin may suppress colon carcinogenesis via inhibition of the MAPK and TGFÎ²pathways. FASEB Journal, 2008, 22, 885.8.	0.2	1
49	Sorghum bran varieties differentially influence endogenous antioxidant enzymes to protect against oxidative stress during colon carcinogenesis. FASEB Journal, 2008, 22, .	0.2	1
50	A fish oil/pectin diet beneficially altered gene profiles during radiationâ€enhanced colon carcinogenesis. FASEB Journal, 2008, 22, 885.9.	0.2	0
51	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
52	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
53	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
54	Comparison of the Chemoprotection Conferred by Grapefruit and Isolated Bioactive Compounds against Colon Cancer. ACS Symposium Series, 2006, , 121-129.	0.5	3

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55	Suppression of colon carcinogenesis by bioactive compounds in grapefruit. Carcinogenesis, 2006, 27, 1257-1265.	1.3	165
56	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
57	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
58	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
59	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
60	Fish Oil Decreases Oxidative DNA Damage by Enhancing Apoptosis in Rat Colon. Nutrition and Cancer, 2005, 52, 166-175.	0.9	53
61	A two-stage normalization method for partially degraded mRNA microarray data. Bioinformatics, 2005, 21, 4000-4006.	1.8	4
62	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
63	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
64	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
65	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
66	Glutathione Metabolism and Its Implications for Health. Journal of Nutrition, 2004, 134, 489-492.	1.3	2,864
67	Dietary fiber and coronary disease: Does the evidence support an association?. Current Atherosclerosis Reports, 2003, 5, 500-505.	2.0	29
68	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
69	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
70	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
71	Fish oil increases mitochondrial phospholipid unsaturation, upregulating reactive oxygen species and apoptosis in rat colonocytes. Carcinogenesis, 2002, 23, 1919-1926.	1.3	129
72	A Bayesian analysis of colonic crypt structure and coordinated response to carcinogen exposure incorporating missing crypts. Biostatistics, 2002, 3, 529-546.	0.9	4

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73	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
74	Opportunities for nutritional amelioration of radiation-induced cellular damage. Nutrition, 2002, 18, 904-912.	1.1	81
75	Dietary nâˆ’3 PUFA alter colonocyte mitochondrial membrane composition and function. Lipids, 2002, 37, 193-199.	0.7	86
76	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
77	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
78	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
79	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
80	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
81	Serum Lipids in Hypercholesterolemic Men and Women Consuming Oat Bran and Amaranth Products. Cereal Chemistry, 2000, 77, 297-302.	1.1	28
82	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
83	Potential protective mechanisms of wheat bran fiber. American Journal of Medicine, 1999, 106, 24-27.	0.6	61
84	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
85	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
86	Lime treatment of agricultural residues to improve rumen digestibility. Animal Feed Science and Technology, 1997, 68, 195-211.	1.1	27
87	Diet and Carcinogen Alter the Fecal Microbial Populations of Rats. Journal of Nutrition, 1997, 127, 449-457.	1.3	22
88	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
89	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
90	Growth patterns and body composition of transgenic mice expressing mutated bovine somatotropin genes1. Journal of Animal Science, 1994, 72, 2812-2819.	0.2	46