Lilian U Thompson

List of Publications by Citations

106 papers	5,752 citations	46 h-index	74 g-index
110 ext. papers	6,143 ext. citations	4.5 avg, IF	5.57 L-index

#	Paper	IF	Citations
106	Mammalian lignan production from various foods. *Nutrition and Cancer*, **1991**, 16, 43-52	2.8	494
105	Phytoestrogen content of foods consumed in Canada, including isoflavones, lignans, and coumestan. *Nutrition and Cancer*, **2006**, 54, 184-201	2.8	325
104	Flaxseed and its lignan and oil components reduce mammary tumor growth at a late stage of carcinogenesis. *Carcinogenesis*, **1996**, 17, 1373-6	4.6	218
103	Antitumorigenic effect of a mammalian lignan precursor from flaxseed. *Nutrition and Cancer*, **1996**, 26, 159-65	2.8	212
102	Dietary flaxseed alters tumor biological markers in postmenopausal breast cancer. *Clinical Cancer Research*, **2005**, 11, 3828-35	12.9	167
101	The influence of flaxseed and lignans on colon carcinogenesis and beta-glucuronidase activity. *Carcinogenesis*, **1996**, 17, 1343-8	4.6	163
100	Human metabolism of mammalian lignan precursors in raw and processed flaxseed. *American Journal of Clinical Nutrition*, **1999**, 69, 549-55	7	162
99	Mammalian lignans and genistein decrease the activities of aromatase and 17beta-hydroxysteroid dehydrogenase in MCF-7 cells. *Journal of Steroid Biochemistry and Molecular Biology*, **2005**, 94, 461-7	5.1	144
98	Dietary flaxseed inhibits human breast cancer growth and metastasis and downregulates expression of insulin-like growth factor and epidermal growth factor receptor. *Nutrition and Cancer* , **2002**, 43, 187-92	2.8	141
97	Antioxidants and hormone-mediated health benefits of whole grains. *Critical Reviews in Food Science and Nutrition*, **1994**, 34, 473-97	11.5	140
96	Flaxseed and its lignans inhibit estradiol-induced growth, angiogenesis, and secretion of vascular endothelial growth factor in human breast cancer xenografts in vivo. *Clinical Cancer Research*, **2007**, 13, 1061-7	12.9	129
95	The effect of flaxseed supplementation on the initiation and promotional stages of mammary tumorigenesis. *Nutrition and Cancer*, **1992**, 17, 153-9	2.8	126
94	Sesamin is one of the major precursors of mammalian lignans in sesame seed (Sesamum indicum) as observed in vitro and in rats. *Journal of Nutrition*, **2006**, 136, 906-12	4.1	116
93	Flaxseed inhibits metastasis and decreases extracellular vascular endothelial growth factor in human breast cancer xenografts. *Cancer Letters*, **2002**, 185, 31-7	9.9	112
92	Dietary phytoestrogen intake--lignans and isoflavones--and breast cancer risk (Canada). *Cancer Causes and Control*, **2008**, 19, 259-72	2.8	103
91	Flaxseed supplementation and early markers of colon carcinogenesis. *Cancer Letters*, **1992**, 63, 159-65	9.9	100
90	Flaxseed and its lignan precursor, secoisolariciresinol diglycoside, affect pregnancy outcome and reproductive development in rats. *Journal of Nutrition*, **1998**, 128, 1861-8	4.1	96

89	Supplementation with flaxseed alters estrogen metabolism in postmenopausal women to a greater extent than does supplementation with an equal amount of soy. *American Journal of Clinical Nutrition*, **2004**, 79, 318-25	7	94
88	The inhibitory effect of flaxseed on the growth and metastasis of estrogen receptor negative human breast cancer xenograftsis attributed to both its lignan and oil components. *International Journal of Cancer*, **2005**, 116, 793-8	7.5	93
87	Experimental studies on lignans and cancer. *Baillieres Clinical Endocrinology and Metabolism*, **1998**, 12, 691-705		81
86	Variability in anticancer lignan levels in flaxseed. *Nutrition and Cancer*, **1997**, 27, 26-30	2.8	78
85	Dietary flaxseed enhances the inhibitory effect of tamoxifen on the growth of estrogen-dependent human breast cancer (mcf-7) in nude mice. *Clinical Cancer Research*, **2004**, 10, 7703-11	12.9	76
84	Exposure to flaxseed or its lignan component during different developmental stages influences rat mammary gland structures. *Carcinogenesis*, **1999**, 20, 1831-5	4.6	73
83	Starchy foods and fiber: reduced rate of digestion and improved carbohydrate metabolism. *Scandinavian Journal of Gastroenterology*, **1987**, 129, 132-41	2.4	72
82	Phytic acid in wheat bran affects colon morphology, cell differentiation and apoptosis. *Carcinogenesis*, **2000**, 21, 1547-1552	4.6	66
81	Isolation and Characterization of Flaxseed (Linum usitatissimum) Constituents. *Pharmaceutical Biology*, **1999**, 37, 1-7	3.8	65
80	Lignans and tamoxifen, alone or in combination, reduce human breast cancer cell adhesion, invasion and migration in vitro. *Breast Cancer Research and Treatment*, **2003**, 80, 163-70	4.4	62
79	Mammalian lignans enterolactone and enterodiol, alone and in combination with the isoflavone genistein, do not promote the growth of MCF-7 xenografts in ovariectomized athymic nude mice. *International Journal of Cancer*, **2006**, 118, 1316-20	7.5	61
78	Exposure to flaxseed or its purified lignan during suckling inhibits chemically induced rat mammary tumorigenesis. *Experimental Biology and Medicine*, **2003**, 228, 951-8	3.7	61
77	Plasma insulin-like growth factor I levels in rats are reduced by dietary supplementation of flaxseed or its lignan secoisolariciresinol diglycoside. *Cancer Letters*, **2000**, 161, 47-55	9.9	60
76	Dietary flaxseed supplementation and experimental metastasis of melanoma cells in mice. *Cancer Letters*, **1998**, 124, 181-6	9.9	59
75	Flaxseed and its components reduce metastasis after surgical excision of solid human breast tumor in nude mice. *Cancer Letters*, **2006**, 234, 168-75	9.9	59
74	Dose effects of flaxseed and its lignan on N-methyl-N-nitrosourea-induced mammary tumorigenesis in rats. *Nutrition and Cancer*, **1999**, 35, 50-7	2.8	58
73	Flaxseed oil reduces the growth of human breast tumors (MCF-7) at high levels of circulating estrogen. *Molecular Nutrition and Food Research*, **2010**, 54, 1414-21	5.9	55
72	Interactions and Biological Effects of Phytic Acid. *ACS Symposium Series*, **1997**, 294-312	0.4	53

71	Dietary supplementation with secoisolariciresinol diglycoside (SDG) reduces experimental metastasis of melanoma cells in mice. *Cancer Letters*, **1999**, 142, 91-6	9.9	53
70	Flaxseed and pure secoisolariciresinol diglucoside, but not flaxseed hull, reduce human breast tumor growth (MCF-7) in athymic mice. *Journal of Nutrition*, **2009**, 139, 2061-6	4.1	52
69	Flaxseed alone or in combination with tamoxifen inhibits MCF-7 breast tumor growth in ovariectomized athymic mice with high circulating levels of estrogen. *Experimental Biology and Medicine*, **2007**, 232, 1071-80	3.7	52
68	Comparative effects of sesame seed lignan and flaxseed lignan in reducing the growth of human breast tumors (MCF-7) at high levels of circulating estrogen in athymic mice. *Nutrition and Cancer*, **2012**, 64, 65-71	2.8	50
67	Guidance from an NIH workshop on designing, implementing, and reporting clinical studies of soy interventions. *Journal of Nutrition*, **2010**, 140, 1192S-1204S	4.1	50
66	Lignans in homemade and commercial products containing flaxseed. *Nutrition and Cancer*, **1997**, 29, 222-7	2.8	50
65	Flaxseed attenuates the tumor growth stimulating effect of soy protein in ovariectomized athymic mice with MCF-7 human breast cancer xenografts. *International Journal of Cancer*, **2006**, 119, 925-31	7.5	50
64	Dietary lignan intakes in relation to survival among women with breast cancer: the Western New York Exposures and Breast Cancer (WEB) Study. *Breast Cancer Research and Treatment*, **2010**, 122, 229-35	4.4	49
63	Ligand-induced regulation of ERalpha and ERbeta is indicative of human breast cancer cell proliferation. *Breast Cancer Research and Treatment*, **2003**, 81, 209-21	4.4	48
62	Flaxseed and its lignan and oil components: can they play a role in reducing the risk of and improving the treatment of breast cancer?. *Applied Physiology, Nutrition and Metabolism*, **2014**, 39, 663-78	3	47
61	Chronic exposure to secoisolariciresinol diglycoside alters lignan disposition in rats. *Journal of Nutrition*, **1998**, 128, 615-23	4.1	47
60	Interactive effects of calcium and short chain fatty acids on absorption in the distal colon of man. *Nutrition Research*, **1993**, 13, 417-425	4	43
59	Whole sesame seed is as rich a source of mammalian lignan precursors as whole flaxseed. *Nutrition and Cancer*, **2005**, 52, 156-65	2.8	42
58	Mammary gland morphogenesis is enhanced by exposure to flaxseed or its major lignan during suckling in rats. *Experimental Biology and Medicine*, **2004**, 229, 147-57	3.7	42
57	Dose, timing, and duration of flaxseed exposure affect reproductive indices and sex hormone levels in rats. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **1999**, 56, 555-70	3.2	42
56	Dietary flaxseed lignan or oil combined with tamoxifen treatment affects MCF-7 tumor growth through estrogen receptor- and growth factor-signaling pathways. *Molecular Nutrition and Food Research*, **2010**, 54, 415-25	5.9	41
55	Exposure to purified lignan from flaxseed (Linum usitatissimum) alters bone development in female rats. *British Journal of Nutrition*, **2001**, 86, 499-505	3.6	41
54	Effects of calcium concentration, acetate, and propionate on calcium absorption in the human distal colon. *Nutrition*, **1999**, 15, 529-33	4.8	41

53	The effect of secoisolariciresinol diglucoside and flaxseed oil, alone and in combination, on MCF-7 tumor growth and signaling pathways. *Nutrition and Cancer*, **2010**, 62, 533-42	2.8	36
52	Flaxseed combined with low-dose estrogen therapy preserves bone tissue in ovariectomized rats. *Menopause*, **2009**, 16, 545-54	2.5	35
51	Dietary phytoestrogens, including isoflavones, lignans, and coumestrol, in nonvitamin, nonmineral supplements commonly consumed by women in Canada. *Nutrition and Cancer*, **2007**, 59, 176-84	2.8	33
50	Genistein alone and in combination with the mammalian lignans enterolactone and enterodiol induce estrogenic effects on bone and uterus in a postmenopausal breast cancer mouse model. *Bone*, **2006**, 39, 117-24	4.7	30
49	Short-term feeding of flaxseed or its lignan has minor influence on in vivo hepatic antioxidant status in young rats. *Nutrition Research*, **1999**, 19, 1233-1243	4	30
48	Dietary intakes of total and specific lignans are associated with clinical breast tumor characteristics. *Journal of Nutrition*, **2012**, 142, 91-8	4.1	28
47	Dietary flaxseed interaction with tamoxifen induced tumor regression in athymic mice with MCF-7 xenografts by downregulating the expression of estrogen related gene products and signal transduction pathways. *Nutrition and Cancer*, **2007**, 58, 162-70	2.8	27
46	Sialomucin production in aberrant crypt foci relates to degree of dysplasia and rate of cell proliferation. *Cancer Letters*, **2001**, 165, 19-25	9.9	27
45	Rates of fermentation and short chain fatty acid and gas production of six starches by human faecal microbiota. *Journal of the Science of Food and Agriculture*, **1990**, 50, 79-88	4.3	27
44	Use of isoflavone supplements is associated with reduced postmenopausal breast cancer risk. *International Journal of Cancer*, **2013**, 132, 1439-50	7.5	26
43	Flaxseed oil-trastuzumab interaction in breast cancer. *Food and Chemical Toxicology*, **2010**, 48, 2223-6	4.7	25
42	Prolonged administration of secoisolariciresinol diglycoside increases lignan excretion and alters lignan tissue distribution in adult male and female rats. *British Journal of Nutrition*, **2010**, 104, 833-41	3.6	24
41	Availability of calcium for absorption in the small intestine and colon from diets containing available and unavailable carbohydrates: an in vitro assessment. *International Journal of Food Sciences and Nutrition*, **1996**, 47, 83-8	3.7	23
40	Can the combination of flaxseed and its lignans with soy and its isoflavones reduce the growth stimulatory effect of soy and its isoflavones on established breast cancer?. *Molecular Nutrition and Food Research*, **2007**, 51, 845-56	5.9	22
39	Linolenic acid and docosahexaenoic acid, alone and combined with trastuzumab, reduce HER2-overexpressing breast cancer cell growth but differentially regulate HER2 signaling pathways. *Lipids in Health and Disease*, **2015**, 14, 91	4.4	20
38	Flaxseed cotyledon fraction reduces tumour growth and sensitises tamoxifen treatment of human breast cancer xenograft (MCF-7) in athymic mice. *British Journal of Nutrition*, **2011**, 105, 339-47	3.6	20
37	Changes in biomarkers of estrogen receptor and growth factor signaling pathways in MCF-7 tumors after short- and long-term treatment with soy and flaxseed. *Journal of Steroid Biochemistry and Molecular Biology*, **2008**, 112, 13-9	5.1	20
36	Urinary composition and postprandial blood changes in H-secoisolariciresinol diglycoside (SDG) metabolites in rats do not differ between acute and chronic SDG treatments. *Journal of Nutrition*, **2000**, 130, 2299-305	4.1	19

35	Flaxseed oil enhances the effectiveness of trastuzumab in reducing the growth of HER2-overexpressing human breast tumors (BT-474). *Journal of Nutritional Biochemistry*, **2015**, 26, 16-23	6.3	18
34	Omega-3 Polyunsaturated Fatty Acids Time-Dependently Reduce Cell Viability and Oncogenic MicroRNA-21 Expression in Estrogen Receptor-Positive Breast Cancer Cells (MCF-7). *International Journal of Molecular Sciences*, **2018**, 19,	6.3	18
33	-Linolenic Acid Reduces Growth of Both Triple Negative and Luminal Breast Cancer Cells in High and Low Estrogen Environments. *Nutrition and Cancer*, **2015**, 67, 1001-9	2.8	18
32	Growth and gene expression differ over time in alpha-linolenic acid treated breast cancer cells. *Experimental Cell Research*, **2015**, 333, 147-54	4.2	17
31	A pilot study comparing the effect of flaxseed, aromatase inhibitor, and the combination on breast tumor biomarkers. *Nutrition and Cancer*, **2014**, 66, 566-75	2.8	14
30	Lignans are accessible to human breast cancer xenografts in athymic mice. *Nutrition and Cancer*, **2008**, 60, 245-50	2.8	13
29	Flaxseed, Lignans, and Cancer **2003**,		13
28	Soy formula and breast cancer risk. *Epidemiology*, **2008**, 19, 165-6	3.1	12
27	Flaxseed and soy protein isolate, alone and in combination, differ in their effect on bone mass, biomechanical strength, and uterus in ovariectomized nude mice with MCF-7 human breast tumor xenografts. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2007**, 70, 1888-96	3.2	12
26	Effect of Lectins on Salivary and Pancreatic Amylase Activities and tlhe Rate of Starch Digestion. *Journal of Food Science*, **1987**, 52, 1050-1053	3.4	12
25	17-estradiol increases liver and serum docosahexaenoic acid in mice fed varying levels of -linolenic acid. *Lipids*, **2014**, 49, 745-56	1.6	10
24	Dietary flaxseed-trastuzumab interactive effects on the growth of HER2-overexpressing human breast tumors (BT-474). *Nutrition and Cancer*, **2013**, 65, 451-9	2.8	10
23	Lignan-rich sesame seed negates the tumor-inhibitory effect of tamoxifen but maintains bone health in a postmenopausal athymic mouse model with estrogen-responsive breast tumors. *Menopause*, **2008**, 15, 171-9	2.5	10
22	Effects of flaxseed lignan and oil on bone health of breast-tumor-bearing mice treated with or without tamoxifen. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2011**, 74, 757-68	3.2	9
21	Flaxseed does not antagonize the effect of ultra-low-dose estrogen therapy on bone mineral density and biomechanical bone strength in ovariectomized rats. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2009**, 72, 1209-16	3.2	8
20	Phytoestrogens and Lignans: Effects on Reproduction and Chronic Disease. *ACS Symposium Series*, **1997**, 273-293	0.4	8
19	Effect of Dietary Flaxseed Intake on Circulating Sex Hormone Levels among Postmenopausal Women: A Randomized Controlled Intervention Trial. *Nutrition and Cancer*, **2019**, 71, 385-398	2.8	8
18	Flaxseed does not enhance the estrogenic effect of low-dose estrogen therapy on markers of uterine health in ovariectomized rats. *Journal of Medicinal Food*, **2012**, 15, 846-50	2.8	7

17	Fatty acids and lignans in unground whole flaxseed and sesame seed are bioavailable but have minimal antioxidant and lipid-lowering effects in postmenopausal women. *Molecular Nutrition and Food Research*, **2009**, 53, 1366-75	5.9	7
16	Effect of low level flaxseed suplementation on the fatty acid composition of mammary glands and tumors in rats. *Nutrition Research*, **1992**, 12, 767-772	4	7
15	Genetic Variation in Steroid and Xenobiotic Metabolizing Pathways and Enterolactone Excretion Before and After Flaxseed Intervention in African American and European American Women. *Cancer Epidemiology Biomarkers and Prevention*, **2019**, 28, 265-274	4	6
14	Effects of Flaxseed and Its Components on Mammary Gland MiRNome: Identification of Potential Biomarkers to Prevent Breast Cancer Development. *Nutrients*, **2019**, 11,	6.7	6
13	Hormone-related supplements and breast cancer risk: need for improved measurement of supplement use. *International Journal of Cancer*, **2008**, 123, 2465-6; author reply 2467-8	7.5	4
12	Exploration of mechanisms of □linolenic acid in reducing the growth of oestrogen receptor positive breast cancer cells (MCF-7). *Journal of Functional Foods*, **2016**, 24, 513-519	5.1	4
11	Accessibility of □H-secoisolariciresinol diglycoside lignan metabolites in skeletal tissue of ovariectomized rats. *Journal of Medicinal Food*, **2011**, 14, 1208-14	2.8	3
10	Analysis and Bioavailability of Lignans **2003**,		3
9	Discriminatory and cooperative effects within the mouse gut microbiota in response to flaxseed and its oil and lignan components. *Journal of Nutritional Biochemistry*, **2021**, 98, 108818	6.3	3
8	Beneficial Influence of Diets Enriched with Flaxseed and Flaxseed Oil on Cancer. *Evidence-based Anticancer Complementary and Alternative Medicine*, **2013**, 55-89		2
7	Flaxseed and Bone Health in Animal Models of Menopause **2013**, 419-426		1
6	Data on cecal and fecal microbiota and predicted metagenomes profiles of female mice receiving whole flaxseed or its oil and secoisolariciresinol diglucoside components. *Data in Brief*, **2021**, 38, 107409	1.2	1
5	Contributions □D: Anticarcinogenic Factors **2006**, 256-395		
4	Flaxseed, Lignans, n-3 Fatty Acids, and Drug Synergy in the Prevention and Treatment of Cancer **2005**, 147-173		
3	Interactive effects of sesame seed and tamoxifen on estrogen dependent breast cancer in athymic nude mice. *FASEB Journal*, **2006**, 20, A993	0.9	
2	The Potential Roles of Seeds and Seed Bioactives on the Prevention and Treatment of Breast and Prostate Cancer **2011**, 173-203		
1	Data on mammary gland microRNAs expression, their predicted gene targets and corresponding pathway analysis in female mice receiving flaxseed or its oil and secoisolariciresinol diglucoside components. *Data in Brief*, **2022**, 42, 108328	1.2	