Susanne U Mertens-Talcott

List of Publications by Year
in descending order

90 papers	5,084 citations	87401 40 h-index	100535 70 g-index
90 all docs	90 docs citations	90 times ranked	7984 citing authors

#	Article	IF	Citations
1	In vitro digestion, absorption and biological activities of acylated anthocyanins from purple sweet potatoes (Ipomoea batatas). Food Chemistry, 2022, 374, 131076.	4.2	10
2	Dark Sweet Cherry (Prunus avium) Phenolics Enriched in Anthocyanins Induced Apoptosis in MDA-MB-453 Breast Cancer Cells through MAPK-Dependent Signaling and Reduced Invasion via Akt and PLCÎ³-1 Downregulation. Nutrition and Cancer, 2021, 73, 1985-1997.	0.9	11
3	Mango (Mangifera indica L.) Polyphenols: Anti-Inflammatory Intestinal Microbial Health Benefits, and Associated Mechanisms of Actions. Molecules, 2021, 26, 2732.	1.7	33
4	Dark sweet cherry (Prunus avium) phenolics enriched in anthocyanins exhibit enhanced activity against the most aggressive breast cancer subtypes without toxicity to normal breast cells. Journal of Functional Foods, 2020, 64, 103710.	1.6	33
5	Performance of concanavalin A-immobilized on polyacrylate beads for the detection of human norovirus and hepatitis A virus in fecal specimens. Food Science and Biotechnology, 2020, 29, 1727-1733.	1.2	0
6	Antitumor potential of dark sweet cherry sweet (Prunus avium) phenolics in suppressing xenograft tumor growth of MDA-MB-453 breast cancer cells. Journal of Nutritional Biochemistry, 2020, 84, 108437.	1.9	10
7	Mango (Mangifera indica L.) polyphenols reduce IL-8, GRO, and GM-SCF plasma levels and increase Lactobacillus species in a pilot study in patients with inflammatory bowel disease. Nutrition Research, 2020, 75, 85-94.	1.3	58
8	Chia seed (Salvia hispanica L.) effects and their molecular mechanisms on unbalanced diet experimental studies: A systematic review. Journal of Food Science, 2020, 85, 226-239.	1.5	24
9	Different analysis strategies of 16S rRNA gene data from rodent studies generate contrasting views of gut bacterial communities associated with diet, health and obesity. PeerJ, 2020, 8, e10372.	0.9	8
10	Chemical Genomic Profiling Unveils the in Vitro and in Vivo Antiplasmodial Mechanism of AÃ§aÄ±Ì• (Euterpe oleracea Mart.) Polyphenols. ACS Omega, 2019, 4, 15628-15635.	1.6	10
11	Gallotannins and Lactobacillus plantarum WCFS1 Mitigate Highâ€Fat Dietâ€Induced Inflammation and Induce Biomarkers for Thermogenesis in Adipose Tissue in Gnotobiotic Mice. Molecular Nutrition and Food Research, 2019, 63, e1800937.	1.5	20
12	Polyphenols from mango (Mangifera indica L.) modulate PI3K/AKT/mTOR-associated micro-RNAs and reduce inflammation in non-cancer and induce cell death in breast cancer cells. Journal of Functional Foods, 2019, 55, 9-16.	1.6	20
13	Body Mass Index as a Determinant of Systemic Exposure to Gallotannin Metabolites during 6â€Week Consumption of Mango (Mangifera indica L.) and Modulation of Intestinal Microbiota in Lean and Obese Individuals. Molecular Nutrition and Food Research, 2019, 63, e1800512.	1.5	24
14	Effect of nanoencapsulation using PLGA on antioxidant and antimicrobial activities of guabiroba fruit phenolic extract. Food Chemistry, 2018, 240, 396-404.	4.2	98
15	Ghrelin Signaling in Immunometabolism and Inflamm-Aging. Advances in Experimental Medicine and Biology, 2018, 1090, 165-182.	0.8	15
16	AÃ§aÃ-(Euterpe oleracea Mart.) beverage consumption improves biomarkers for inflammation but not glucose- or lipid-metabolism in individuals with metabolic syndrome in a randomized, double-blinded, placebo-controlled clinical trial. Food and Function, 2018, 9, 3097-3103.	2.1	49
17	Obesityâ€Associated Diseases Biomarkers Are Differently Modulated in Lean and Obese Individuals and Inversely Correlated to Plasma Polyphenolic Metabolites After 6 Weeks of Mango (Mangifera) Tj ETQq1 1 0.784314 rgBT /Overloc	1.5	39
18	Polyphenolic derivatives from mango (Mangifera Indica L.) modulate fecal microbiome, short-chain fatty acids production and the HDAC1/AMPK/LC3 axis in rats with DSS-induced colitis. Journal of Functional Foods, 2018, 48, 243-251.	1.6	38

#	Article	IF	Citations
19	Polyphenolâ€rich Mango (Mangifera indica L.) Ameliorate Functional Constipation Symptoms in Humans beyond Equivalent Amount of Fiber. Molecular Nutrition and Food Research, 2018, 62, e1701034.	1.5	27
20	Gallotannin derivatives from mango (Mangifera indica L.) suppress adipogenesis and increase thermogenesis in 3T3-L1 adipocytes in part through the AMPK pathway. Journal of Functional Foods, 2018, 46, 101-109.	1.6	40
21	Effect of dark sweet cherry powder consumption on the gut microbiota, short-chain fatty acids, and biomarkers of gut health in obese db/db mice. PeerJ, 2018, 6, e4195.	0.9	39
22	Mango polyphenolics reduce inflammation in intestinal colitis-involvement of the miR-126/PI3K/AKT/mTOR axis in vitro and in vivo. Molecular Carcinogenesis, 2017, 56, 197-207.	1.3	83
23	Complementary cereals and legumes for health: Synergistic interaction of sorghum flavones and cowpea flavonols against LPSâ€induced inflammation in colonic myofibroblasts. Molecular Nutrition and Food Research, 2017, 61, 1600625.	1.5	36
24	Pomegranate polyphenolics reduce inflammation and ulceration in intestinal colitisâ€"involvement of the miR-145/p70S6K1/HIF1Î± axis in vivo and in vitro. Journal of Nutritional Biochemistry, 2017, 43, 107-115.	1.9	57
25	Cocoplum (Chrysobalanus icaco L.) anthocyanins exert anti-inflammatory activity in human colon cancer and non-malignant colon cells. Food and Function, 2017, 8, 307-314.	2.1	58
26	Polyphenolics from mango (Mangifera indica L.) suppress breast cancer ductal carcinoma in situ proliferation through activation of AMPK pathway and suppression of mTOR in athymic nude mice. Journal of Nutritional Biochemistry, 2017, 41, 12-19.	1.9	52
27	Anti-lipidaemic and anti-inflammatory effect of aÃ§ai (Euterpe oleracea Martius) polyphenols on 3T3-L1 adipocytes. Journal of Functional Foods, 2016, 23, 432-443.	1.6	31
28	Pyrogallol, an absorbable microbial gallotannins-metabolite and mango polyphenols (Mangifera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 2016, 7, 3825-3833.	2.1	39
29	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
30	Comparison of antiâ€inflammatory mechanisms of mango (Mangifera Indica L.) and pomegranate (Punica Granatum L.) in a preclinical model of colitis. Molecular Nutrition and Food Research, 2016, 60, 1912-1923.	1.5	64
31	Urinary metabolites from mango (Mangifera indica L. cv. Keitt) galloyl derivatives and in vitro hydrolysis of gallotannins in physiological conditions. Molecular Nutrition and Food Research, 2016, 60, 542-550.	1.5	33
32	White mold (Sclerotinia sclerotiorum), friend or foe: Cytotoxic and mutagenic activities in vitro and in vivo. Food Research International, 2016, 80, 27-35.	2.9	10
33	Effects of powdered Montmorency tart cherry supplementation on an acute bout of intense lower body strength exercise in resistance trained males. Journal of the International Society of Sports Nutrition, 2015, 12, 41.	1.7	62
34	Anti-inflammatory activity of polyphenolics from aÃ§ai (Euterpe oleracea Martius) in intestinal myofibroblasts CCD-18Co cells. Food and Function, 2015, 6, 3249-3256.	2.1	23
35	Mango polyphenolics suppressed tumor growth in breast cancer xenografts in mice: role of the PI3K/AKT pathway and associated microRNAs. Nutrition Research, 2015, 35, 744-751.	1.3	58
36	Nanoencapsulation of hydrophobic phytochemicals using poly (dl-lactide-co-glycolide) (PLGA) for antioxidant and antimicrobial delivery applications: Guabiroba fruit (Campomanesia xanthocarpa O.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.5	64

#	Article	IF	Citations
37	Consumption of polyphenol-rich peach and plum juice prevents risk factors for obesity-related metabolic disorders and cardiovascular disease in Zucker rats. Journal of Nutritional Biochemistry, 2015, 26, 633-641.	1.9	55
38	Phospholipids and terpenes modulate Caco-2 transport of aÃ§aÃ-anthocyanins. Food Chemistry, 2015, 175, 267-272.	4.2	11
39	Polyphenolic extracts from cowpea (Vigna unguiculata) protect colonic myofibroblasts (CCD18Co) Tj ETQq1 1 0.784314 rgBT /Overlock Function, 2015, 6, 145-153.	2.1	48
40	AÃ§aÃ-(Euterpe oleracea Mart.) Beverage Preserves Antioxidant and Endothelial Protective Properties Against Inflammatory Injuries in vitro After Pasteurization and Storage. FASEB Journal, 2015, 29, LB355.	0.2	0
41	The consumption of acai beverage (Euterpe oleracea Mart.) improves biomarkers for inflammation in individuals with the metabolic syndrome. FASEB Journal, 2015, 29, 259.4.	0.2	0
42	Consumption of Acai Beverage (Euterpe oleracea Mart.) in Cardioâ€metabolic Syndrome. FASEB Journal, 2015, 29, 602.8.	0.2	0
43	Polyphenolic compounds of Purple Sweet Potatoes (Ipomoea batatas) show antiâ€inflammatory effects in colon myofribroblast CCDâ€18Co cells. FASEB Journal, 2015, 29, 390.2.	0.2	3
44	Polyphenolics from mango (Mangifera Indica L.) suppress breast cancer ductal carcinoma in situ proliferation in both in vitro and in vivo models for cancer. FASEB Journal, 2015, 29, 918.12.	0.2	0
45	Pro-Apoptotic Activities of Polyphenolics From AÃ§ai (Euterpe oleracea Martius) in Human SW-480 Colon Cancer Cells. Nutrition and Cancer, 2014, 66, 1394-1405.	0.9	38
46	Carbohydrate-Free Peach (Prunus persica) and Plum (Prunus domestica) Juice Affects Fecal Microbial Ecology in an Obese Animal Model. PLoS ONE, 2014, 9, e101723.	1.1	40
47	Betulinic acid decreases ERâ€negative breast cancer cell growth in vitro and in vivo: Role of Sp transcription factors and microRNAâ€27a:ZBTB10. Molecular Carcinogenesis, 2013, 52, 591-602.	1.3	84
48	The drug resistance suppression induced by curcuminoids in colon cancer <scp>SW</scp>â€480 cells is mediated by reactive oxygen speciesâ€induced disruption of the micro<scp>RNA</scp>â€27aâ€<scp>ZBTB</scp>10â€<scp>S</scp>p axis. Molecular Nutrition and Food Research, 2013, 57, 1638-1648.	1.5	66
49	Micropropagation Effect on the Anti-carcinogenic Activitiy of Polyphenolics from Mexican Oregano (Poliomintha glabrescens Gray) in Human Colon Cancer Cells HT-29. Plant Foods for Human Nutrition, 2013, 68, 155-162.	1.4	18
50	Resveratrol and Quercetin in Combination Have Anticancer Activity in Colon Cancer Cells and Repress Oncogenic microRNA-27a. Nutrition and Cancer, 2013, 65, 494-504.	0.9	142
51	Pomegranate polyphenolics suppressed azoxymethane-induced colorectal aberrant crypt foci and inflammation: possible role of miR-126/VCAM-1 and miR-126/PI3K/AKT/mTOR. Carcinogenesis, 2013, 34, 2814-2822.	1.3	99
52	Antiâ€obesity and Antiâ€inflammatory Effect of Acai Polyphenols in 3T3â€L1 Adipocytes. FASEB Journal, 2013, 27, 865.5.	0.2	0
53	Pomegranate Polyphenolics reduce inflammation in Intestinal Colitis â€Potential Involvement of the miRâ€145/p70S6K/HIF1Î± Pathway. FASEB Journal, 2013, 27, 248.8.	0.2	0
54	Cytotoxicity of pomegranate polyphenolics in breast cancer cells in vitro and vivo: potential role of miRNA-27a and miRNA-155 in cell survival and inflammation. Breast Cancer Research and Treatment, 2012, 136, 21-34.	1.1	109

#	Article	IF	Citations
55	Red wine polyphenolics reduce the expression of inflammation markers in human colon-derived CCD-18Co myofibroblast cells: Potential role of microRNA-126. Food and Function, 2012, 3, 745.	2.1	62
56	Standardized curcuminoid extract (Curcuma longa l.) decreases gene expression related to inflammation and interacts with associated microRNAs in human umbilical vein endothelial cells (HUVEC). Food and Function, 2012, 3, 1286.	2.1	18
57	Sacha inchi (Plukenetia volubillis L.) oil as novel source of dietary fat to prevent inflammation and cardiovascular disease risk. FASEB Journal, 2012, 26, 626.13.	0.2	1
58	Plum polyphenolics prevent adipogenesis, inflammation and obesityâ€induced metabolic disorders in obese Zucker rats. FASEB Journal, 2012, 26, .	0.2	0
59	Polyphenolics from AÃ§aÃ-(Euterpe oleracea Mart.) and Red Muscadine Grape (Vitis rotundifolia) Protect Human Umbilical Vascular Endothelial Cells (HUVEC) from Glucose- and Lipopolysaccharide (LPS)-Induced Inflammation and Target MicroRNA-126. Journal of Agricultural and Food Chemistry, 2011, 59, 7999-8012.	2.4	81
60	Pharmacokinetic Study of Nobiletin and Tangeretin in Rat Serum by High-Performance Liquid Chromatographyâ^'Electrospray Ionizationâ^'Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2011, 59, 145-151.	2.4	88
61	Flavonol-rich fractions of yaupon holly leaves (Ilex vomitoria, Aquifoliaceae) induce microRNA-146a and have anti-inflammatory and chemopreventive effects in intestinal myofribroblast CCD-18Co cells. FÃ¬toterapÃ¬Ã¢, 2011, 82, 557-569.	1.1	66
62	In vitro absorption and antiproliferative activities of monomeric and polymeric anthocyanin fractions from aÃ§ai fruit (Euterpe oleracea Mart.). Food Chemistry, 2010, 119, 1071-1078.	4.2	42
63	MicroRNA-27a Indirectly Regulates Estrogen Receptor Î± Expression and Hormone Responsiveness in MCF-7 Breast Cancer Cells. Endocrinology, 2010, 151, 2462-2473.	1.4	88
64	Anticarcinogenic Effects of Polyphenolics from Mango (Mangifera indica) Varieties. Journal of Agricultural and Food Chemistry, 2010, 58, 4104-4112.	2.4	138
65	Turmeric curcuminoids (Curcuma longa L.) interacts with microRNAs in the regulation of inflammation on Human Umbilical Vein Endothelial Cells (HUVEC). FASEB Journal, 2010, 24, 924.5.	0.2	0
66	Curcuminoids from tumeric (Curcuma longa) target microRNA148 and microRNA146 in their antiâ€inflammatory effects in nonâ€cancer colon cells. FASEB Journal, 2010, 24, 219.1.	0.2	0
67	Effect of Phospholipids on the Stability and Absorption of AÃ§aÃ-Anthocyanins. FASEB Journal, 2010, 24, 535.4.	0.2	0
68	Oncogenic microRNAâ€27a is a target for anticancer agent methyl 2â€cyanoâ€3,11â€dioxoâ€18Î²â€oleanâ€1,12â€dienâ€30â€oate in colon cancer cells. International Journal of Cancer, 2009, 125, 1965-1974.	2.3	125
69	Resveratrol and quercetin target microRNA 27a in their antiâ€cancer effects in colon cancer cells. FASEB Journal, 2009, 23, .	0.2	0
70	Standardized Curcuminoids Extract (Curcuma longa L.) Protects against inflammation in Human Umbilical Vein Endothelial Cells (HUVEC). FASEB Journal, 2009, 23, 899.4.	0.2	0
71	Red wine polyphenolics have antiâ€cancer effects in colonâ€cancer and target oncogenic microRNAs as potential underlying mechanisms. FASEB Journal, 2009, 23, 897.17.	0.2	0
72	Extracts from red muscadine and cabernet sauvignon wines induce cell death in MOLT-4 human leukemia cells. Food Chemistry, 2008, 108, 824-832.	4.2	14

#	Article	IF	Citations
73	Pharmacokinetics of Anthocyanins and Antioxidant Effects after the Consumption of Anthocyanin-Rich AÃ§ai Juice and Pulp (Euterpe oleracea Mart.) in Human Healthy Volunteers. Journal of Agricultural and Food Chemistry, 2008, 56, 7796-7802.	2.4	202
74	Chemical Composition, Antioxidant Properties, and Thermal Stability of a Phytochemical Enriched Oil from AÃ§ai (Euterpe oleraceaMart.). Journal of Agricultural and Food Chemistry, 2008, 56, 4631-4636.	2.4	191
75	Ribose enhances retinoic acidâ€“induced differentiation of HL-60 cells. Nutrition Research, 2008, 28, 775-782.	1.3	9
76	Effect of Grapefruit Juice, Naringin, Naringenin, and Bergamottin on the Intestinal Carrier-Mediated Transport of Talinolol in Rats. Journal of Agricultural and Food Chemistry, 2008, 56, 4840-4845.	2.4	48
77	Absorption and Biological Activity of Phytochemical-Rich Extracts from AÃ§ai (Euterpe oleracea Mart.) Pulp and Oil in Vitro. Journal of Agricultural and Food Chemistry, 2008, 56, 3593-3600.	2.4	69
78	Protective Effects of Standardized Pomegranate (Punica granatum L.) Polyphenolic Extract in Ultraviolet-Irradiated Human Skin Fibroblasts. Journal of Agricultural and Food Chemistry, 2008, 56, 8434-8441.	2.4	125
79	Pregnane X Receptor Protects HepG2 Cells from BaP-Induced DNA Damage. Toxicological Sciences, 2008, 104, 67-73.	1.4	59
80	The Oncogenic microRNA-27a Targets Genes That Regulate Specificity Protein Transcription Factors and the G2-M Checkpoint in MDA-MB-231 Breast Cancer Cells. Cancer Research, 2007, 67, 11001-11011.	0.4	437
81	Polymethoxylated Flavones and Other Phenolic Derivates from Citrus in Their Inhibitory Effects on P-Glycoprotein-Mediated Transport of Talinolol in Caco-2 Cells. Journal of Agricultural and Food Chemistry, 2007, 55, 2563-2568.	2.4	32
82	Grapefruit Juiceâ€“Drug Interactions: Grapefruit Juice and Its Components Inhibit Pâ€Glycoprotein (ABCB1) Mediated Transport of Talinolol in Caco2 Cells. Journal of Pharmaceutical Sciences, 2007, 96, 2808-2817.	1.6	90
83	Absorption and Antioxidant Effects of Polyphenolics from Acai (Euterpe Oleracea Mart) in Healthy Human Volunteers. FASEB Journal, 2007, 21, A51.	0.2	0
84	Absorption, Metabolism, and Antioxidant Effects of Pomegranate (Punica granatumL.) Polyphenols after Ingestion of a Standardized Extract in Healthy Human Volunteers. Journal of Agricultural and Food Chemistry, 2006, 54, 8956-8961.	2.4	299
85	Grapefruit-Drug Interactions: Can Interactions With Drugs Be Avoided?. Journal of Clinical Pharmacology, 2006, 46, 1390-1416.	1.0	100
86	Induction of Cell Death in Caco-2 Human Colon Carcinoma Cells by Ellagic Acid Rich Fractions from Muscadine Grapes (Vitis rotundifolia). Journal of Agricultural and Food Chemistry, 2006, 54, 5336-5343.	2.4	66
87	Variation of Flavonoids and Furanocoumarins in Grapefruit Juices:Â A Potential Source of Variability in Grapefruit Juiceâ€™Drug Interaction Studies. Journal of Agricultural and Food Chemistry, 2006, 54, 249-255.	2.4	108
88	Ellagic Acid Potentiates the Effect of Quercetin on p21waf1/cip1, p53, and MAP-Kinases without Affecting Intracellular Generation of Reactive Oxygen Species In Vitro,. Journal of Nutrition, 2005, 135, 609-614.	1.3	78
89	Ellagic acid and quercetin interact synergistically with resveratrol in the induction of apoptosis and cause transient cell cycle arrest in human leukemia cells. Cancer Letters, 2005, 218, 141-151.	3.2	253
90	Low Concentrations of Quercetin and Ellagic Acid Synergistically Influence Proliferation, Cytotoxicity and Apoptosis in MOLT-4 Human Leukemia Cellsâ€“. Journal of Nutrition, 2003, 133, 2669-2674.	1.3	194