Sabine E Kulling

List of Publications by Citations

82 papers	3,448 citations	30 h-index	57 g-index
86 ext. papers	4,022 ext. citations	4.6 avg, IF	5.28 L-index

#	Paper	IF	Citations
82	Chokeberry (Aronia melanocarpa) - A review on the characteristic components and potential health effects. *Planta Medica*, **2008**, 74, 1625-34	3.1	316
81	Stability and biotransformation of various dietary anthocyanins in vitro. *European Journal of Nutrition*, **2006**, 45, 7-18	5.2	303
80	Antioxidant activity of isoflavones and their major metabolites using different in vitro assays. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 2926-31	5.7	242
79	In vivo and in vitro metabolism of trans-resveratrol by human gut microbiota. *American Journal of Clinical Nutrition*, **2013**, 97, 295-309	7	232
78	Oxidative metabolism of the soy isoflavones daidzein and genistein in humans in vitro and in vivo. *Journal of Agricultural and Food Chemistry*, **2001**, 49, 3024-33	5.7	167
77	Analytical and compositional aspects of isoflavones in food and their biological effects. *Molecular Nutrition and Food Research*, **2009**, 53 Suppl 2, S266-309	5.9	117
76	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. *Molecular Nutrition and Food Research*, **2019**, 63, e1800384	5.9	107
75	Structural features and bioavailability of four flavonoids and their implications for lifespan-extending and antioxidant actions in C. elegans. *Mechanisms of Ageing and Development*, **2012**, 133, 1-10	5.6	104
74	Metabolite patterns predicting sex and age in participants of the Karlsruhe Metabolomics and Nutrition (KarMeN) study. *PLoS ONE*, **2017**, 12, e0183228	3.7	95
73	Oxidative in vitro metabolism of the soy phytoestrogens daidzein and genistein. *Journal of Agricultural and Food Chemistry*, **2000**, 48, 4963-72	5.7	94
72	Comparative biokinetics and metabolism of pure monomeric, dimeric, and polymeric flavan-3-ols: a randomized cross-over study in humans. *Molecular Nutrition and Food Research*, **2015**, 59, 610-21	5.9	86
71	Oxidative metabolism and genotoxic potential of major isoflavone phytoestrogens. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2002**, 777, 211-8	3.2	83
70	Stability of Individual Maillard Reaction Products in the Presence of the Human Colonic Microbiota. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 6723-30	5.7	73
69	Pharmacokinetics of the soybean isoflavone daidzein in its aglycone and glucoside form: a randomized, double-blind, crossover study. *American Journal of Clinical Nutrition*, **2008**, 87, 1314-23	7	73
68	Combining traditional dietary assessment methods with novel metabolomics techniques: present efforts by the Food Biomarker Alliance. *Proceedings of the Nutrition Society*, **2017**, 76, 619-627	2.9	62
67	Associations of current diet with plasma and urine TMAO in the KarMeN study: direct and indirect contributions. *Molecular Nutrition and Food Research*, **2017**, 61, 1700363	5.9	60
66	Phase II metabolism of the soy isoflavones genistein and daidzein in humans, rats and mice: a cross-species and sex comparison. *Archives of Toxicology*, **2016**, 90, 1335-47	5.8	56

65	Chlorogenic acid, a metabolite identified by untargeted metabolome analysis in resistant tomatoes, inhibits the colonization by Alternaria alternata by inhibiting alternariol biosynthesis. *European Journal of Plant Pathology*, **2014**, 139, 735-747	2.1	55
64	Tocopherol and tocotrienol analysis in raw and cooked vegetables: a validated method with emphasis on sample preparation. *Food Chemistry*, **2015**, 169, 20-7	8.5	51
63	Protein interactions with cyanidin-3-glucoside and its influence on α-amylase activity. *Journal of the Science of Food and Agriculture*, **2009**, 89, 33-40	4.3	49
62	Studies on the metabolism of the plant lignans secoisolariciresinol and matairesinol. *Journal of Agricultural and Food Chemistry*, **2003**, 51, 6317-25	5.7	45
61	Structural elucidation of hydroxylated metabolites of the isoflavan equol by gas chromatography-mass spectrometry and high-performance liquid chromatography-mass spectrometry. *Drug Metabolism and Disposition*, **2006**, 34, 51-60	4	42
60	On the applicability of comprehensive two-dimensional gas chromatography combined with a fast-scanning quadrupole mass spectrometer for untargeted large-scale metabolomics. *Journal of Chromatography A*, **2015**, 1405, 156-67	4.5	39
59	Quantification of soy isoflavones and their conjugative metabolites in plasma and urine: an automated and validated UHPLC-MS/MS method for use in large-scale studies. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 6007-20	4.4	38
58	Age-Related Changes of Plasma Bile Acid Concentrations in Healthy Adults--Results from the Cross-Sectional KarMeN Study. *PLoS ONE*, **2016**, 11, e0153959	3.7	38
57	In vitro phase II metabolism of xanthohumol by human UDP-glucuronosyltransferases and sulfotransferases. *Molecular Nutrition and Food Research*, **2005**, 49, 851-6	5.9	34
56	Oxidative metabolites of the mammalian lignans enterodiol and enterolactone in rat bile and urine. *Journal of Agricultural and Food Chemistry*, **2000**, 48, 2910-9	5.7	33
55	Biomarkers of intake for coffee, tea, and sweetened beverages. *Genes and Nutrition*, **2018**, 13, 15	4.3	31
54	Application of LC and GC hyphenated with mass spectrometry as tool for characterization of unknown derivatives of isoflavonoids. *Analytical and Bioanalytical Chemistry*, **2008**, 391, 239-50	4.4	31
53	Studies on the genotoxicity of the mammalian lignans enterolactone and enterodiol and their metabolic precursors at various endpoints in vitro. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **1998**, 416, 115-24	3	30
52	Methylation of catechins and procyanidins by rat and human catechol-O-methyltransferase: metabolite profiling and molecular modeling studies. *Drug Metabolism and Disposition*, **2012**, 40, 353-9	4	28
51	Sulfoglucosides as Novel Modified Forms of the Mycotoxins Alternariol and Alternariol Monomethyl Ether. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 8892-8901	5.7	27
50	Glyphosate and AMPA levels in human urine samples and their correlation with food consumption: results of the cross-sectional KarMeN study in Germany. *Archives of Toxicology*, **2020**, 94, 1575-1584	5.8	26
49	Dose-dependent effects of isoflavone exposure during early lifetime on the rat mammary gland: Studies on estrogen sensitivity, isoflavone metabolism, and DNA methylation. *Molecular Nutrition and Food Research*, **2015**, 59, 270-83	5.9	25
48	Dietary Pattern and Plasma BCAA-Variations in Healthy Men and Women-Results from the KarMeN Study. *Nutrients*, **2018**, 10,	6.7	24

47	Lifelong exposure to dietary isoflavones reduces risk of obesity in ovariectomized Wistar rats. *Molecular Nutrition and Food Research*, **2015**, 59, 2407-18	5.9	24
46	In vitro and in vivo metabolism of the soy isoflavone glycitein. *Molecular Nutrition and Food Research*, **2007**, 51, 813-23	5.9	24
45	Dietary Resveratrol Does Not Affect Life Span, Body Composition, Stress Response, and Longevity-Related Gene Expression in Drosophila melanogaster. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	23
44	trans-Resveratrol and -viniferin decrease glucose absorption in porcine jejunum and ileum in vitro. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2013**, 165, 313-8	2.6	22
43	Absorption of red clover isoflavones in human subjects: results from a pilot study. *British Journal of Nutrition*, **2010**, 103, 1569-72	3.6	22
42	A peaklet-based generic strategy for the untargeted analysis of comprehensive two-dimensional gas chromatography mass spectrometry data sets. *Journal of Chromatography A*, **2015**, 1405, 168-77	4.5	21
41	Proliferative and estrogenic sensitivity of the mammary gland are modulated by isoflavones during distinct periods of adolescence. *Archives of Toxicology*, **2013**, 87, 1129-40	5.8	21
40	Transport of the soy isoflavone daidzein and its conjugative metabolites by the carriers SOAT, NTCP, OAT4, and OATP2B1. *Archives of Toxicology*, **2015**, 89, 2253-63	5.8	20
39	Quantification of Urinary Phenyl--Valerolactones and Related Valeric Acids in Human Urine on Consumption of Apples. *Metabolites*, **2019**, 9,	5.6	19
38	Discovery and Validation of Banana Intake Biomarkers Using Untargeted Metabolomics in Human Intervention and Cross-sectional Studies. *Journal of Nutrition*, **2019**, 149, 1701-1713	4.1	17
37	Degradation of folic acid in fortified vitamin juices during long term storage. *Food Chemistry*, **2014**, 159, 122-7	8.5	17
36	The red clover isoflavone irilone is largely resistant to degradation by the human gut microbiota. *Molecular Nutrition and Food Research*, **2010**, 54, 929-38	5.9	17
35	Novel lycopene metabolites are detectable in plasma of preruminant calves after lycopene supplementation. *Journal of Nutrition*, **2005**, 135, 2616-21	4.1	17
34	The Karlsruhe Metabolomics and Nutrition (KarMeN) Study: Protocol and Methods of a Cross-Sectional Study to Characterize the Metabolome of Healthy Men and Women. *JMIR Research Protocols*, **2016**, 5, e146	2	17
33	Rubneribacter badeniensis gen. nov., sp. nov. and Enteroscipio rubneri gen. nov., sp. nov., new members of the Eggerthellaceae isolated from human faeces. *International Journal of Systematic and Evolutionary Microbiology*, **2018**, 68, 1533-1540	2.2	17
32	Resveratrol, lunularin and dihydroresveratrol do not act as caloric restriction mimetics when administered intraperitoneally in mice. *Scientific Reports*, **2019**, 9, 4445	4.9	16
31	Untargeted multi-platform analysis of the metabolome and the non-starch polysaccharides of kiwifruit during postharvest ripening. *Postharvest Biology and Technology*, **2017**, 125, 65-76	6.2	16
30	Genistein as a potential inducer of the anti-atherogenic enzyme paraoxonase-1: studies in cultured hepatocytes in vitro and in rat liver in vivo. *Journal of Cellular and Molecular Medicine*, **2012**, 16, 2331-41	5.6	15

29	Combinatory effects of phytoestrogens and exercise on body fat mass and lipid metabolism in ovariectomized female rats. *Journal of Steroid Biochemistry and Molecular Biology*, **2018**, 178, 73-81	5.1	14
28	The influence of a chronic L-carnitine administration on the plasma metabolome of male Fischer 344 rats. *Molecular Nutrition and Food Research*, **2017**, 61, 1600651	5.9	13
27	Soy isoflavone exposure through all life stages accelerates 17 estradiol-induced mammary tumor onset and growth, yet reduces tumor burden, in ACI rats. *Archives of Toxicology*, **2016**, 90, 1907-16	5.8	11
26	Metabolism of Foodborne Heterocyclic Aromatic Amines by Lactobacillus reuteri DSM 20016. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 6797-6811	5.7	11
25	Genotoxicity of estrogens. *European Food Research and Technology*, **1998**, 206, 367-373		11
24	Robust Markers of Coffee Consumption Identified Among the Volatile Organic Compounds in Human Urine. *Molecular Nutrition and Food Research*, **2019**, 63, e1801060	5.9	10
23	Neonatal isoflavone exposure interferes with the reproductive system of female Wistar rats. *Toxicology Letters*, **2016**, 262, 39-48	4.4	10
22	The Human Fecal Microbiota Metabolizes Foodborne Heterocyclic Aromatic Amines by Reuterin Conjugation and Further Transformations. *Molecular Nutrition and Food Research*, **2019**, 63, e1801177	5.9	10
21	The complex human urinary sugar profile: determinants revealed in the cross-sectional KarMeN study. *American Journal of Clinical Nutrition*, **2018**, 108, 502-516	7	10
20	Influence of salt concentration and iodized table salt on the microbiota of fermented cucumbers. *Food Microbiology*, **2020**, 92, 103552	6	7
19	Topoisomerase poisoning by genistein in the intestine of rats. *Toxicology Letters*, **2016**, 243, 88-97	4.4	7
18	Glucuronidation of the red clover isoflavone irilone by liver microsomes from different species and human UDP-glucuronosyltransferases. *Drug Metabolism and Disposition*, **2011**, 39, 610-6	4	7
17	The Putative Caloric Restriction Mimetic Resveratrol has Moderate Impact on Insulin Sensitivity, Body Composition, and the Metabolome in Mice. *Molecular Nutrition and Food Research*, **2020**, 64, e1901116	5.9	6
16	Influence of testosterone on phase II metabolism and availability of soy isoflavones in male Wistar rats. *Archives of Toxicology*, **2017**, 91, 1649-1661	5.8	6
15	Formation of phosphoglycosides in Caenorhabditis elegans: a novel biotransformation pathway. *PLoS ONE*, **2012**, 7, e46914	3.7	6
14	Fermentation of African nightshade leaves with lactic acid bacterial starter cultures. *International Journal of Food Microbiology*, **2021**, 342, 109056	5.8	6
13	Isoflavone supplementation in postmenopausal women does not affect leukocyte LDL receptor and scavenger receptor CD36 expression: A double-blind, randomized, placebo-controlled trial. *Molecular Nutrition and Food Research*, **2016**, 60, 2008-19	5.9	5
12	An isoflavone enriched diet increases skeletal muscle adaptation in response to physical activity in ovariectomized rats. *Molecular Nutrition and Food Research*, **2017**, 61, 1600843	5.9	4

11	Structural Transformation of 8-5-Coupled Dehydrodiferulates by Human Intestinal Microbiota. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 7975-85	5.7	4
10	The effect of potassium fertilization on the metabolite profile of tomato fruit (Solanum lycopersicum L.). *Plant Physiology and Biochemistry*, **2021**, 159, 89-99	5.4	4
9	Combined Untargeted and Targeted Fingerprinting by Comprehensive Two-Dimensional Gas Chromatography to Track Compositional Changes on Hazelnut Primary Metabolome during Roasting. *Applied Sciences (Switzerland)*, **2021**, 11, 525	2.6	4
8	Role of plasma lipoproteins in the transport of the soyabean isoflavones daidzein and daidzein-7-O-beta-D-glucoside. *British Journal of Nutrition*, **2009**, 102, 793-6	3.6	3
7	DNA reactivity of altertoxin II: Identification of two covalent guanine adducts formed under cell-free conditions. *Toxicology Letters*, **2020**, 331, 75-81	4.4	3
6	Dose-dependent effects of isoflavone exposure during early lifetime on development and androgen sensitivity in male Wistar rats. *Molecular Nutrition and Food Research*, **2016**, 60, 325-36	5.9	3
5	Effects of Soy in Laboratory Rodent Diets on the Basal, Affective, and Cognitive Behavior of C57BL/6 Mice. *Journal of the American Association for Laboratory Animal Science*, **2019**, 58, 532-541	1.3	3
4	Exploring the Diversity of Sugar Compounds in Healthy, Prediabetic, and Diabetic Volunteers. *Molecular Nutrition and Food Research*, **2020**, 64, e1901190	5.9	1
3	Krank durch Lebensmittel oder: Was wir selbst tun können. *Nachrichten Aus Der Chemie*, **2002**, 50, 1103-1106	0.6	1
2	Lebensmittelchemie 2002. *Nachrichten Aus Der Chemie*, **2003**, 51, 346-351	0.1	
1	Lack of Genotoxicity of Major Mammalian and Plant Lignans at Various Endpoints In Vitro **2001**, 527-532		