Sabine E Kulling

List of Publications by Year
in descending order

84 papers	4,498 citations	126907 33 h-index	106344 65 g-index
86 all docs	86 docs citations	86 times ranked	6748 citing authors

#	Article	IF	Citations
1	Chokeberry‹i›(Aronia melanocarpa)‹/i›â€“ A Review on the Characteristic Components and Potential Health Effects. Planta Medica, 2008, 74, 1625-1634.	1.3	396
2	Stability and biotransformation of various dietary anthocyanins in vitro. European Journal of Nutrition, 2006, 45, 7-18.	3.9	356
3	In vivo and in vitro metabolism of trans-resveratrol by human gut microbiota. American Journal of Clinical Nutrition, 2013, 97, 295-309.	4.7	312
4	Antioxidant Activity of Isoflavones and Their Major Metabolites Using Different in Vitro Assays. Journal of Agricultural and Food Chemistry, 2006, 54, 2926-2931.	5.2	271
5	Oxidative Metabolism of the Soy Isoflavones Daidzein and Genistein in Humans in Vitro and in Vivo. Journal of Agricultural and Food Chemistry, 2001, 49, 3024-3033.	5.2	196
6	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. Molecular Nutrition and Food Research, 2019, 63, e1800384.	3.3	173
7	Metabolite patterns predicting sex and age in participants of the Karlsruhe Metabolomics and Nutrition (KarMeN) study. PLoS ONE, 2017, 12, e0183228.	2.5	150
8	Analytical and compositional aspects of isoflavones in food and their biological effects. Molecular Nutrition and Food Research, 2009, 53, S266-309.	3.3	136
9	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.	4.6	125
10	Comparative biokinetics and metabolism of pure monomeric, dimeric, and polymeric flavanâ€3â€ols: A randomized crossâ€over study in humans. Molecular Nutrition and Food Research, 2015, 59, 610-621.	3.3	113
11	Oxidative in Vitro Metabolism of the Soy Phytoestrogens Daidzein and Genistein. Journal of Agricultural and Food Chemistry, 2000, 48, 4963-4972.	5.2	111
12	Oxidative metabolism and genotoxic potential of major isoflavone phytoestrogens. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 777, 211-218.	2.3	101
13	Stability of Individual Maillard Reaction Products in the Presence of the Human Colonic Microbiota. Journal of Agricultural and Food Chemistry, 2015, 63, 6723-6730.	5.2	98
14	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.	1.0	93
15	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.	3.3	84
16	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, 1314-1323.	4.7	82
17	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.	1.7	79
18	Tocopherol and tocotrienol analysis in raw and cooked vegetables: A validated method with emphasis on sample preparation. Food Chemistry, 2015, 169, 20-27.	8.2	73

#	Article	IF	Citations
19	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, 1335-1347.	4.2	73
20	Age-Related Changes of Plasma Bile Acid Concentrations in Healthy Adultsâ€"Results from the Cross-Sectional KarMeN Study. PLoS ONE, 2016, 11, e0153959.	2.5	66
21	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.	4.2	59
22	Studies on the Metabolism of the Plant Lignans Secoisolariciresinol and Matairesinol. Journal of Agricultural and Food Chemistry, 2003, 51, 6317-6325.	5.2	54
23	Protein interactions with cyanidinâ€3â€glucoside and its influence on Î±â€amylase activity. Journal of the Science of Food and Agriculture, 2009, 89, 33-40.	3.5	54
24	Biomarkers of intake for coffee, tea, and sweetened beverages. Genes and Nutrition, 2018, 13, 15.	2.5	51
25	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.	3.3	50
26	Oxidative Metabolites of the Mammalian Lignans Enterodiol and Enterolactone in Rat Bile and Urine. Journal of Agricultural and Food Chemistry, 2000, 48, 2910-2919.	5.2	42
27	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, 156-167.	3.7	42
28	In vitro phase II metabolism of xanthohumol by human UDP-glucuronosyltransferases and sulfotransferases. Molecular Nutrition and Food Research, 2005, 49, 851-856.	3.3	40
29	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, 6007-6020.	3.7	40
30	Dietary Pattern and Plasma BCAA-Variations in Healthy Men and Womenâ€"Results from the KarMeN Study. Nutrients, 2018, 10, 623.	4.1	39
31	Sulfoglucosides as Novel Modified Forms of the Mycotoxins Alternariol and Alternariol Monomethyl Ether. Journal of Agricultural and Food Chemistry, 2016, 64, 8892-8901.	5.2	38
32	Application of LC and GC hyphenated with mass spectrometry as tool for characterization of unknown derivatives of isoflavonoids. Analytical and Bioanalytical Chemistry, 2008, 391, 239-250.	3.7	36
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.	1.7	35
34	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, 115-124.	1.7	34
35	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, 223.	4.1	33
36	In vitro andin vivo metabolism of the soy isoflavone glycitein. Molecular Nutrition and Food Research, 2007, 51, 813-823.	3.3	32

#	Article	IF	Citations
37	Methylation of Catechins and Procyanidins by Rat and Human Catechol-O-Methyltransferase: Metabolite Profiling and Molecular Modeling Studies. Drug Metabolism and Disposition, 2012, 40, 353-359.	3.3	30
38	trans-Resveratrol and Îµ-viniferin decrease glucose absorption in porcine jejunum and ileum in vitro. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 165, 313-318.	1.8	30
39	Doseâ€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, 270-283.	3.3	30
40	Quantification of Urinary Phenyl-Î³-Valerolactones and Related Valeric Acids in Human Urine on Consumption of Apples. Metabolites, 2019, 9, 254.	2.9	29
41	Lifelong exposure to dietary isoflavones reduces risk of obesity in ovariectomized Wistar rats. Molecular Nutrition and Food Research, 2015, 59, 2407-2418.	3.3	28
42	Discovery and Validation of Banana Intake Biomarkers Using Untargeted Metabolomics in Human Intervention and Cross-sectional Studies. Journal of Nutrition, 2019, 149, 1701-1713.	2.9	27
43	Absorption of red clover isoflavones in human subjects: results from a pilot study. British Journal of Nutrition, 2010, 103, 1569-1572.	2.3	26
44	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, 168-177.	3.7	26
45	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.	6.0	26
46	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.	1.0	26
47	Resveratrol, lunularin and dihydroresveratrol do not act as caloric restriction mimetics when administered intraperitoneally in mice. Scientific Reports, 2019, 9, 4445.	3.3	25
48	Transport of the soy isoflavone daidzein and its conjugative metabolites by the carriers SOAT, NTCP, OAT4, and OATP2B1. Archives of Toxicology, 2015, 89, 2253-2263.	4.2	22
49	Proliferative and estrogenic sensitivity of the mammary gland are modulated by isoflavones during distinct periods of adolescence. Archives of Toxicology, 2013, 87, 1129-1140.	4.2	21
50	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.	2.5	20
51	Novel Lycopene Metabolites Are Detectable in Plasma of Preruminant Calves after Lycopene Supplementation. Journal of Nutrition, 2005, 135, 2616-2621.	2.9	19
52	The red clover isoflavone irilone is largely resistant to degradation by the human gut microbiota. Molecular Nutrition and Food Research, 2010, 54, 929-938.	3.3	19
53	Genistein as a potential inducer of the antiâ€atherogenic enzyme paraoxonaseâ€1: studies in cultured hepatocytes in vitro and in rat liver in vivo. Journal of Cellular and Molecular Medicine, 2012, 16, 2331-2341.	3.6	19
54	Influence of salt concentration and iodized table salt on the microbiota of fermented cucumbers. Food Microbiology, 2020, 92, 103552.	4.2	19

#	Article	IF	Citations
55	Degradation of folic acid in fortified vitamin juices during long term storage. Food Chemistry, 2014, 159, 122-127.	8.2	18
56	Robust Markers of Coffee Consumption Identified Among the Volatile Organic Compounds in Human Urine. Molecular Nutrition and Food Research, 2019, 63, e1801060.	3.3	16
57	Fermentation of African nightshade leaves with lactic acid bacterial starter cultures. International Journal of Food Microbiology, 2021, 342, 109056.	4.7	16
58	The influence of a chronic Lâ€carnitine administration on the plasma metabolome of male FischerÂ344 rats*. Molecular Nutrition and Food Research, 2017, 61, 1600651.	3.3	15
59	Metabolism of Foodborne Heterocyclic Aromatic Amines by Lactobacillus reuteri DSM 20016. Journal of Agricultural and Food Chemistry, 2017, 65, 6797-6811.	5.2	15
60	The Human Fecal Microbiota Metabolizes Foodborne Heterocyclic Aromatic Amines by Reuterin Conjugation and Further Transformations. Molecular Nutrition and Food Research, 2019, 63, 1801177.	3.3	15
61	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.	3.3	15
62	Genotoxicity of estrogens. European Food Research and Technology, 1998, 206, 367-373.	0.6	14
63	The complex human urinary sugar profile: determinants revealed in the cross-sectional KarMeN study. American Journal of Clinical Nutrition, 2018, 108, 502-516.	4.7	14
64	Soy isoflavone exposure through all life stages accelerates 17Î²-estradiol-induced mammary tumor onset and growth, yet reduces tumor burden, in ACI rats. Archives of Toxicology, 2016, 90, 1907-1916.	4.2	12
65	The effect of potassium fertilization on the metabolite profile of tomato fruit (Solanum lycopersicum) Tj ETQq1 1 0.784314 rgBT /Ove	5.8	12
66	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.	2.5	12
67	Neonatal isoflavone exposure interferes with the reproductive system of female Wistar rats. Toxicology Letters, 2016, 262, 39-48.	0.8	10
68	Metabolism of glyphosate by the human fecal microbiota. Toxicology Letters, 2022, 358, 1-5.	0.8	10
69	Formation of Phosphoglycosides in Caenorhabditis elegans: A Novel Biotransformation Pathway. PLoS ONE, 2012, 7, e46914.	2.5	9
70	Isoflavone supplementation in postmenopausal women does not affect leukocyte LDL receptor and scavenger receptor CD36 expression: A doubleâ€blind, randomized, placeboâ€controlled trial. Molecular Nutrition and Food Research, 2016, 60, 2008-2019.	3.3	9
71	An isoflavone enriched diet increases skeletal muscle adaptation in response to physical activity in ovariectomized rats. Molecular Nutrition and Food Research, 2017, 61, 1600843.	3.3	9
72	Glucuronidation of the Red Clover Isoflavone Irilone by Liver Microsomes from Different Species and Human UDP-Glucuronosyltransferases. Drug Metabolism and Disposition, 2011, 39, 610-616.	3.3	8

#	Article	IF	Citations
73	Topoisomerase poisoning by genistein in the intestine of rats. Toxicology Letters, 2016, 243, 88-97.	0.8	8
74	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.	1.2	7
75	Exploring the Diversity of Sugar Compounds in Healthy, Prediabetic, and Diabetic Volunteers. Molecular Nutrition and Food Research, 2020, 64, e1901190.	3.3	7
76	DNA reactivity of altertoxin II: Identification of two covalent guanine adducts formed under cell-free conditions. Toxicology Letters, 2020, 331, 75-81.	0.8	7
77	Influence of testosterone on phase II metabolism and availability of soy isoflavones in male Wistar rats. Archives of Toxicology, 2017, 91, 1649-1661.	4.2	6
78	Structural Transformation of 8â€“5-Coupled Dehydrodiferulates by Human Intestinal Microbiota. Journal of Agricultural and Food Chemistry, 2015, 63, 7975-7985.	5.2	5
79	Genome analysis reveals that the correct name of type strain Adlercreutzia caecicola DSM 22242T is Parvibacter caecicola Clavel et al. 2013. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	4
80	Role of plasma lipoproteins in the transport of the soyabean isoflavones daidzein and daidzein-7-O-Î²-<scp>d</scp>-glucoside. British Journal of Nutrition, 2009, 102, 793-796.	2.3	3
81	Doseâ€dependent effects of isoflavone exposure during early lifetime on development and androgen sensitivity in male Wistar rats. Molecular Nutrition and Food Research, 2016, 60, 325-336.	3.3	3
82	Krank durch Lebensmittel oder: Was wir selbst tun kÃ¶nnen. Nachrichten Aus Der Chemie, 2002, 50, 1103-1106.	0.0	1
83	Lebensmittelchemie 2002. Nachrichten Aus Der Chemie, 2003, 51, 346-351.	0.0	0
84	Lack of Genotoxicity of Major Mammalian and Plant Lignans at Various Endpoints In Vitro. , 2001, , 527-532.		0