

Sabine E Kulling

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	The effect of potassium fertilization on the metabolite profile of tomato fruit (<i>Solanum lycopersicum</i> L.). <i>Plant Physiology and Biochemistry</i> , 2021 , 159, 89-99	5.4	4
81	Combined Untargeted and Targeted Fingerprinting by Comprehensive Two-Dimensional Gas Chromatography to Track Compositional Changes on Hazelnut Primary Metabolome during Roasting. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 525	2.6	4
80	Fermentation of African nightshade leaves with lactic acid bacterial starter cultures. <i>International Journal of Food Microbiology</i> , 2021 , 342, 109056	5.8	6
79	Influence of salt concentration and iodized table salt on the microbiota of fermented cucumbers. <i>Food Microbiology</i> , 2020 , 92, 103552	6	7
78	Exploring the Diversity of Sugar Compounds in Healthy, Prediabetic, and Diabetic Volunteers. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e1901190	5.9	1
77	Glyphosate and AMPA levels in human urine samples and their correlation with food consumption: results of the cross-sectional KarMeN study in Germany. <i>Archives of Toxicology</i> , 2020 , 94, 1575-1584	5.8	26
76	The Putative Caloric Restriction Mimetic Resveratrol has Moderate Impact on Insulin Sensitivity, Body Composition, and the Metabolome in Mice. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e1901196	5.9	6
75	DNA reactivity of altertoxin II: Identification of two covalent guanine adducts formed under cell-free conditions. <i>Toxicology Letters</i> , 2020 , 331, 75-81	4.4	3
74	Discovery and Validation of Banana Intake Biomarkers Using Untargeted Metabolomics in Human Intervention and Cross-sectional Studies. <i>Journal of Nutrition</i> , 2019 , 149, 1701-1713	4.1	17
73	Robust Markers of Coffee Consumption Identified Among the Volatile Organic Compounds in Human Urine. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1801060	5.9	10
72	Resveratrol, lunularin and dihydroresveratrol do not act as caloric restriction mimetics when administered intraperitoneally in mice. <i>Scientific Reports</i> , 2019 , 9, 4445	4.9	16
71	Quantification of Urinary Phenyl-Valerolactones and Related Valeric Acids in Human Urine on Consumption of Apples. <i>Metabolites</i> , 2019 , 9,	5.6	19
70	The Human Fecal Microbiota Metabolizes Foodborne Heterocyclic Aromatic Amines by Reuterin Conjugation and Further Transformations. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1801177	5.9	10
69	Effects of Soy in Laboratory Rodent Diets on the Basal, Affective, and Cognitive Behavior of C57BL/6 Mice. <i>Journal of the American Association for Laboratory Animal Science</i> , 2019 , 58, 532-541	1.3	3
68	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1800384	5.9	107
67	Biomarkers of intake for coffee, tea, and sweetened beverages. <i>Genes and Nutrition</i> , 2018 , 13, 15	4.3	31
66	Dietary Resveratrol Does Not Affect Life Span, Body Composition, Stress Response, and Longevity-Related Gene Expression in <i>Drosophila melanogaster</i> . <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	23

65	Dietary Pattern and Plasma BCAA-Variations in Healthy Men and Women-Results from the KarMeN Study. <i>Nutrients</i> , 2018 , 10,	6.7	24
64	Rubneribacter badeniensis gen. nov., sp. nov. and Enteroscapio rubneri gen. nov., sp. nov., new members of the Eggerthellaceae isolated from human faeces. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018 , 68, 1533-1540	2.2	17
63	Combinatory effects of phytoestrogens and exercise on body fat mass and lipid metabolism in ovariectomized female rats. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018 , 178, 73-81	5.1	14
62	The complex human urinary sugar profile: determinants revealed in the cross-sectional KarMeN study. <i>American Journal of Clinical Nutrition</i> , 2018 , 108, 502-516	7	10
61	An isoflavone enriched diet increases skeletal muscle adaptation in response to physical activity in ovariectomized rats. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1600843	5.9	4
60	The influence of a chronic L-carnitine administration on the plasma metabolome of male FischerF344 rats. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1600651	5.9	13
59	Associations of current diet with plasma and urine TMAO in the KarMeN study: direct and indirect contributions. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1700363	5.9	60
58	Combining traditional dietary assessment methods with novel metabolomics techniques: present efforts by the Food Biomarker Alliance. <i>Proceedings of the Nutrition Society</i> , 2017 , 76, 619-627	2.9	62
57	Metabolism of Foodborne Heterocyclic Aromatic Amines by <i>Lactobacillus reuteri</i> DSM 20016. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 6797-6811	5.7	11
56	Untargeted multi-platform analysis of the metabolome and the non-starch polysaccharides of kiwifruit during postharvest ripening. <i>Postharvest Biology and Technology</i> , 2017 , 125, 65-76	6.2	16
55	Influence of testosterone on phase II metabolism and availability of soy isoflavones in male Wistar rats. <i>Archives of Toxicology</i> , 2017 , 91, 1649-1661	5.8	6
54	Metabolite patterns predicting sex and age in participants of the Karlsruhe Metabolomics and Nutrition (KarMeN) study. <i>PLoS ONE</i> , 2017 , 12, e0183228	3.7	95
53	Neonatal isoflavone exposure interferes with the reproductive system of female Wistar rats. <i>Toxicology Letters</i> , 2016 , 262, 39-48	4.4	10
52	Sulfoglucosides as Novel Modified Forms of the Mycotoxins Alternariol and Alternariol Monomethyl Ether. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 8892-8901	5.7	27
51	Isoflavone supplementation in postmenopausal women does not affect leukocyte LDL receptor and scavenger receptor CD36 expression: A double-blind, randomized, placebo-controlled trial. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 2008-19	5.9	5
50	Soy isoflavone exposure through all life stages accelerates 17 β -Estradiol-induced mammary tumor onset and growth, yet reduces tumor burden, in ACI rats. <i>Archives of Toxicology</i> , 2016 , 90, 1907-16	5.8	11
49	Phase II metabolism of the soy isoflavones genistein and daidzein in humans, rats and mice: a cross-species and sex comparison. <i>Archives of Toxicology</i> , 2016 , 90, 1335-47	5.8	56
48	Topoisomerase poisoning by genistein in the intestine of rats. <i>Toxicology Letters</i> , 2016 , 243, 88-97	4.4	7

47	Age-Related Changes of Plasma Bile Acid Concentrations in Healthy Adults--Results from the Cross-Sectional KarMeN Study. <i>PLoS ONE</i> , 2016 , 11, e0153959	3.7	38
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. <i>JMIR Research Protocols</i> , 2016 , 5, e146	2	17
45	Dose-dependent effects of isoflavone exposure during early lifetime on development and androgen sensitivity in male Wistar rats. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 325-36	5.9	3
44	Transport of the soy isoflavone daidzein and its conjugative metabolites by the carriers SOAT, NTCP, OAT4, and OATP2B1. <i>Archives of Toxicology</i> , 2015 , 89, 2253-63	5.8	20
43	Stability of Individual Maillard Reaction Products in the Presence of the Human Colonic Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 6723-30	5.7	73
42	A peaklet-based generic strategy for the untargeted analysis of comprehensive two-dimensional gas chromatography mass spectrometry data sets. <i>Journal of Chromatography A</i> , 2015 , 1405, 168-77	4.5	21
41	On the applicability of comprehensive two-dimensional gas chromatography combined with a fast-scanning quadrupole mass spectrometer for untargeted large-scale metabolomics. <i>Journal of Chromatography A</i> , 2015 , 1405, 156-67	4.5	39
40	Structural Transformation of 8-5-Coupled Dehydrodiferulates by Human Intestinal Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 7975-85	5.7	4
39	Tocopherol and tocotrienol analysis in raw and cooked vegetables: a validated method with emphasis on sample preparation. <i>Food Chemistry</i> , 2015 , 169, 20-7	8.5	51
38	Lifelong exposure to dietary isoflavones reduces risk of obesity in ovariectomized Wistar rats. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 2407-18	5.9	24
37	Comparative biokinetics and metabolism of pure monomeric, dimeric, and polymeric flavan-3-ols: a randomized cross-over study in humans. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 610-21	5.9	86
36	Dose-dependent effects of isoflavone exposure during early lifetime on the rat mammary gland: Studies on estrogen sensitivity, isoflavone metabolism, and DNA methylation. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 270-83	5.9	25
35	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. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 6007-20	4.4	38
34	Chlorogenic acid, a metabolite identified by untargeted metabolome analysis in resistant tomatoes, inhibits the colonization by <i>Alternaria alternata</i> by inhibiting alternariol biosynthesis. <i>European Journal of Plant Pathology</i> , 2014 , 139, 735-747	2.1	55
33	Degradation of folic acid in fortified vitamin juices during long term storage. <i>Food Chemistry</i> , 2014 , 159, 122-7	8.5	17
32	Proliferative and estrogenic sensitivity of the mammary gland are modulated by isoflavones during distinct periods of adolescence. <i>Archives of Toxicology</i> , 2013 , 87, 1129-40	5.8	21
31	trans-Resveratrol and Viniferin decrease glucose absorption in porcine jejunum and ileum in vitro. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013 , 165, 313-8	2.6	22
30	In vivo and in vitro metabolism of trans-resveratrol by human gut microbiota. <i>American Journal of Clinical Nutrition</i> , 2013 , 97, 295-309	7	232

29	Structural features and bioavailability of four flavonoids and their implications for lifespan-extending and antioxidant actions in <i>C. elegans</i> . <i>Mechanisms of Ageing and Development</i> , 2012 , 133, 1-10	5.6	104
28	Methylation of catechins and procyanidins by rat and human catechol-O-methyltransferase: metabolite profiling and molecular modeling studies. <i>Drug Metabolism and Disposition</i> , 2012 , 40, 353-9	4	28
27	Genistein as a potential inducer of the anti-atherogenic enzyme paraoxonase-1: studies in cultured hepatocytes in vitro and in rat liver in vivo. <i>Journal of Cellular and Molecular Medicine</i> , 2012 , 16, 2331-41	5.6	15
26	Formation of phosphoglycosides in <i>Caenorhabditis elegans</i> : a novel biotransformation pathway. <i>PLoS ONE</i> , 2012 , 7, e46914	3.7	6
25	Glucuronidation of the red clover isoflavone irilone by liver microsomes from different species and human UDP-glucuronosyltransferases. <i>Drug Metabolism and Disposition</i> , 2011 , 39, 610-6	4	7
24	Absorption of red clover isoflavones in human subjects: results from a pilot study. <i>British Journal of Nutrition</i> , 2010 , 103, 1569-72	3.6	22
23	The red clover isoflavone irilone is largely resistant to degradation by the human gut microbiota. <i>Molecular Nutrition and Food Research</i> , 2010 , 54, 929-38	5.9	17
22	Analytical and compositional aspects of isoflavones in food and their biological effects. <i>Molecular Nutrition and Food Research</i> , 2009 , 53 Suppl 2, S266-309	5.9	117
21	Protein interactions with cyanidin-3-glucoside and its influence on α -amylase activity. <i>Journal of the Science of Food and Agriculture</i> , 2009 , 89, 33-40	4.3	49
20	Role of plasma lipoproteins in the transport of the soyabean isoflavones daidzein and daidzein-7-O-beta-D-glucoside. <i>British Journal of Nutrition</i> , 2009 , 102, 793-6	3.6	3
19	Chokeberry (<i>Aronia melanocarpa</i>) - A review on the characteristic components and potential health effects. <i>Planta Medica</i> , 2008 , 74, 1625-34	3.1	316
18	Pharmacokinetics of the soybean isoflavone daidzein in its aglycone and glucoside form: a randomized, double-blind, crossover study. <i>American Journal of Clinical Nutrition</i> , 2008 , 87, 1314-23	7	73
17	Application of LC and GC hyphenated with mass spectrometry as tool for characterization of unknown derivatives of isoflavonoids. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 239-50	4.4	31
16	In vitro and in vivo metabolism of the soy isoflavone glycitein. <i>Molecular Nutrition and Food Research</i> , 2007 , 51, 813-23	5.9	24
15	Structural elucidation of hydroxylated metabolites of the isoflavan equol by gas chromatography-mass spectrometry and high-performance liquid chromatography-mass spectrometry. <i>Drug Metabolism and Disposition</i> , 2006 , 34, 51-60	4	42
14	Antioxidant activity of isoflavones and their major metabolites using different in vitro assays. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 2926-31	5.7	242
13	Stability and biotransformation of various dietary anthocyanins in vitro. <i>European Journal of Nutrition</i> , 2006 , 45, 7-18	5.2	303
12	In vitro phase II metabolism of xanthohumol by human UDP-glucuronosyltransferases and sulfotransferases. <i>Molecular Nutrition and Food Research</i> , 2005 , 49, 851-6	5.9	34

11	Novel lycopene metabolites are detectable in plasma of preruminant calves after lycopene supplementation. <i>Journal of Nutrition</i> , 2005 , 135, 2616-21	4.1	17
10	Lebensmittelchemie 2002. <i>Nachrichten Aus Der Chemie</i> , 2003 , 51, 346-351	0.1	
9	Studies on the metabolism of the plant lignans secoisolariciresinol and matairesinol. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 6317-25	5.7	45
8	Oxidative metabolism and genotoxic potential of major isoflavone phytoestrogens. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002 , 777, 211-8	3.2	83
7	Krank durch Lebensmittel oder: Was wir selbst tun können. <i>Nachrichten Aus Der Chemie</i> , 2002 , 50, 1103-1106		1
6	Oxidative metabolism of the soy isoflavones daidzein and genistein in humans in vitro and in vivo. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 3024-33	5.7	167
5	Lack of Genotoxicity of Major Mammalian and Plant Lignans at Various Endpoints In Vitro 2001 , 527-532		
4	Oxidative metabolites of the mammalian lignans enterodiol and enterolactone in rat bile and urine. <i>Journal of Agricultural and Food Chemistry</i> , 2000 , 48, 2910-9	5.7	33
3	Oxidative in vitro metabolism of the soy phytoestrogens daidzein and genistein. <i>Journal of Agricultural and Food Chemistry</i> , 2000 , 48, 4963-72	5.7	94
2	Genotoxicity of estrogens. <i>European Food Research and Technology</i> , 1998 , 206, 367-373		11
1	Studies on the genotoxicity of the mammalian lignans enterolactone and enterodiol and their metabolic precursors at various endpoints in vitro. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1998 , 416, 115-24	3	30