Christian Ritz

List of Publications by Citations

240 papers	10,074 citations	55 h-index	87 g-index
249 ext. papers	11,643 ext. citations	5.2 avg, IF	6.16 L-index

#	Paper	IF	Citations
240	Advanced glycation endproducts in food and their effects on health. *Food and Chemical Toxicology*, **2013**, 60, 10-37	4.7	408
239	The food metabolome: a window over dietary exposure. *American Journal of Clinical Nutrition*, **2014** , 99, 1286-308	7	335
238	Bioactive compounds: definition and assessment of activity. *Nutrition*, **2009**, 25, 1202-5	4.8	190
237	Associations between GPX1 Pro198Leu polymorphism, erythrocyte GPX activity, alcohol consumption and breast cancer risk in a prospective cohort study. *Carcinogenesis*, **2006**, 27, 820-5	4.6	189
236	Indoor particles affect vascular function in the aged: an air filtration-based intervention study. *American Journal of Respiratory and Critical Care Medicine*, **2008**, 177, 419-25	10.2	185
235	Effects of an isocaloric healthy Nordic diet on insulin sensitivity, lipid profile and inflammation markers in metabolic syndrome -- a randomized study (SYSDIET). *Journal of Internal Medicine*, **2013**, 274, 52-66	10.8	175
234	Effect of parsley (Petroselinum crispum) intake on urinary apigenin excretion, blood antioxidant enzymes and biomarkers for oxidative stress in human subjects. *British Journal of Nutrition*, **1999**, 81, 447-55	3.6	175
233	Whole grain-rich diet reduces body weight and systemic low-grade inflammation without inducing major changes of the gut microbiome: a randomised cross-over trial. *Gut*, **2019**, 68, 83-93	19.2	162
232	The 6-a-day study: effects of fruit and vegetables on markers of oxidative stress and antioxidative defense in healthy nonsmokers. *American Journal of Clinical Nutrition*, **2004**, 79, 1060-72	7	161
231	In vitro biotransformation of flavonoids by rat liver microsomes. *Xenobiotica*, **1998**, 28, 389-401	2	160
230	Guidelines for the New Nordic Diet. *Public Health Nutrition*, **2012**, 15, 1941-7	3.3	134
229	Absorption and excretion of black currant anthocyanins in humans and watanabe heritable hyperlipidemic rabbits. *Journal of Agricultural and Food Chemistry*, **2003**, 51, 2813-20	5.7	133
228	Host-related factors explaining interindividual variability of carotenoid bioavailability and tissue concentrations in humans. *Molecular Nutrition and Food Research*, **2017**, 61, 1600685	5.9	129
227	The impact of short-chain fatty acids on GLP-1 and PYY secretion from the isolated perfused rat colon. *American Journal of Physiology - Renal Physiology*, **2018**, 315, G53-G65	5.1	129
226	In vitro antioxidant activities of edible artichoke (Cynara scolymus L.) and effect on biomarkers of antioxidants in rats. *Journal of Agricultural and Food Chemistry*, **2003**, 51, 5540-5	5.7	129
225	Reaction of the N2-acetoxy derivative of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) with 2Rdeoxyguanosine and DNA. Synthesis and identification of N2-(2Rdeoxyguanosin-8-yl)-PhIP. *Carcinogenesis*, **1992**, 13, 629-35	4.6	127
224	Two-electron electrochemical oxidation of quercetin and kaempferol changes only the flavonoid C-ring. *Free Radical Research*, **1998**, 29, 339-50	4	124

223	Mediterranean diet intervention in overweight and obese subjects lowers plasma cholesterol and causes changes in the gut microbiome and metabolome independently of energy intake. *Gut*, **2020**, 69, 1258-1268	19.2	123
222	The role of red and processed meat in colorectal cancer development: a perspective. *Meat Science*, **2014**, 97, 583-96	6.4	118
221	Personal PM2.5 Exposure and Markers of Oxidative Stress in Blood. *Environmental Health Perspectives*, **2002**, 111, 161-165	8.4	114
220	Differential effects of dietary flavonoids on drug metabolizing and antioxidant enzymes in female rat. *Xenobiotica*, **1999**, 29, 1227-40	2	111
219	Effect of red wine and red grape extract on blood lipids, haemostatic factors, and other risk factors for cardiovascular disease. *European Journal of Clinical Nutrition*, **2005**, 59, 449-55	5.2	104
218	Intake of whole apples or clear apple juice has contrasting effects on plasma lipids in healthy volunteers. *European Journal of Nutrition*, **2013**, 52, 1875-89	5.2	103
217	Quantification of anthocyanins in commercial black currant juices by simple high-performance liquid chromatography. Investigation of their pH stability and antioxidative potency. *Journal of Agricultural and Food Chemistry*, **2003**, 51, 5861-6	5.7	102
216	Specificity and sensitivity of commercially available assays for glucagon and oxyntomodulin measurement in humans. *European Journal of Endocrinology*, **2014**, 170, 529-38	6.5	101
215	Untargeted metabolomics as a screening tool for estimating compliance to a dietary pattern. *Journal of Proteome Research*, **2014**, 13, 1405-18	5.6	98
214	Validation of biomarkers of food intake-critical assessment of candidate biomarkers. *Genes and Nutrition*, **2018**, 13, 14	4.3	98
213	Biomarkers of meat intake and the application of nutrigenomics. *Meat Science*, **2010**, 84, 301-7	6.4	94
212	Dietary composition and nutrient content of the New Nordic Diet. *Public Health Nutrition*, **2013**, 16, 777-85	3.3	93
211	UPLC-ESI-QTOF/MS and multivariate data analysis for blood plasma and serum metabolomics: effect of experimental artefacts and anticoagulant. *Analytica Chimica Acta*, **2013**, 768, 118-28	6.6	91
210	Cancer risk and occupational exposure to aflatoxins in Denmark. *British Journal of Cancer*, **1988**, 58, 392-6	6.7	86
209	Consumption of a diet low in advanced glycation end products for 4 weeks improves insulin sensitivity in overweight women. *Diabetes Care*, **2014**, 37, 88-95	14.6	85
208	Regeneration of phenolic antioxidants from phenoxyl radicals: an ESR and electrochemical study of antioxidant hierarchy. *Free Radical Research*, **1999**, 30, 207-20	4	84
207	Intake of whole grain in Scandinavia: intake, sources and compliance with new national recommendations. *Scandinavian Journal of Public Health*, **2012**, 40, 76-84	3	83
206	Biotransformation of the citrus flavone tangeretin in rats. Identification of metabolites with intact flavane nucleus. *Food and Chemical Toxicology*, **2000**, 38, 739-46	4.7	79

205	Identification and quantification of flavonoids in human urine samples by column-switching liquid chromatography coupled to atmospheric pressure chemical ionization mass spectrometry. *Analytical Chemistry*, **2000**, 72, 1503-9	7.8	79
204	Biomarkers for Exposure to Ambient Air Pollution. Comparison of Carcinogen-DNA Adduct Levels with Other Exposure Markers and Markers for Oxidative Stress. *Environmental Health Perspectives*, **1999**, 107, 233	8.4	76
203	Effects of apples and specific apple components on the cecal environment of conventional rats: role of apple pectin. *BMC Microbiology*, **2010**, 10, 13	4.5	75
202	Identification of european allergy patterns to the allergen families PR-10, LTP, and profilin from Rosaceae fruits. *Clinical Reviews in Allergy and Immunology*, **2011**, 41, 4-19	12.3	73
201	-Glutamyl semialdehyde and 2-amino-adipic semialdehyde: biomarkers of oxidative damage to proteins. *Biomarkers*, **1997**, 2, 117-23	2.6	72
200	Intake of dietary fiber, especially from cereal foods, is associated with lower incidence of colon cancer in the HELGA cohort. *International Journal of Cancer*, **2012**, 131, 469-78	7.5	70
199	Effect of diets based on foods from conventional versus organic production on intake and excretion of flavonoids and markers of antioxidative defense in humans. *Journal of Agricultural and Food Chemistry*, **2003**, 51, 5671-6	5.7	70
198	Specificity and sensitivity of commercially available assays for glucagon-like peptide-1 (GLP-1): implications for GLP-1 measurements in clinical studies. *Diabetes, Obesity and Metabolism*, **2014**, 16, 1155-64	6.7	69
197	Exposure to ambient concentrations of particulate air pollution does not influence vascular function or inflammatory pathways in young healthy individuals. *Particle and Fibre Toxicology*, **2008**, 5, 13	8.4	69
196	Discovery and validation of urinary exposure markers for different plant foods by untargeted metabolomics. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 1829-44	4.4	68
195	Assessment of the effect of high or low protein diet on the human urine metabolome as measured by NMR. *Nutrients*, **2012**, 4, 112-31	6.7	68
194	DNA adduct formation and oxidative stress in colon and liver of Big Blue rats after dietary exposure to diesel particles. *Carcinogenesis*, **2003**, 24, 1759-66	4.6	68
193	UPLC-QTOF/MS metabolic profiling unveils urinary changes in humans after a whole grain rye versus refined wheat bread intervention. *Molecular Nutrition and Food Research*, **2013**, 57, 412-22	5.9	66
192	GPX1 Pro(198)Leu polymorphism, erythrocyte GPX activity, interaction with alcohol consumption and smoking, and risk of colorectal cancer. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2009**, 664, 13-9	3.3	66
191	Development of a bioassay-coupled HPLC-SPE-ttNMR platform for identification of -glucosidase inhibitors in apple peel (Malus domestica Borkh.). *Food Chemistry*, **2012**, 135, 1692-9	8.5	64
190	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
189	The combined impact of adherence to five lifestyle factors on all-cause, cancer and cardiovascular mortality: a prospective cohort study among Danish men and women. *British Journal of Nutrition*, **2015**, 113, 849-58	3.6	59
188	Challenges of molecular nutrition research 6: the nutritional phenotype database to store, share and evaluate nutritional systems biology studies. *Genes and Nutrition*, **2010**, 5, 189-203	4.3	58

187	A short-term intervention trial with selenate, selenium-enriched yeast and selenium-enriched milk: effects on oxidative defence regulation. *British Journal of Nutrition*, **2008**, 99, 883-92	3.6	58
186	Standardization of factors that influence human urine metabolomics. *Metabolomics*, **2011**, 7, 71-83	4.7	57
185	Effect of Lactobacillus paracasei subsp. paracasei, L. casei 431 on immune response to influenza vaccination and upper respiratory tract infections in healthy adult volunteers: a randomized, double-blind, placebo-controlled, parallel-group study. *American Journal of Clinical Nutrition*, **2015**, 101, 1188-96	7	55
184	Effects of an isocaloric healthy Nordic diet on ambulatory blood pressure in metabolic syndrome: a randomized SYSDIET sub-study. *European Journal of Clinical Nutrition*, **2014**, 68, 57-63	5.2	53
183	Association between polymorphisms in glutathione peroxidase and selenoprotein P genes, glutathione peroxidase activity, HRT use and breast cancer risk. *PLoS ONE*, **2013**, 8, e73316	3.7	52
182	An exploratory NMR nutri-metabonomic investigation reveals dimethyl sulfone as a dietary biomarker for onion intake. *Analyst, The*, **2009**, 134, 2344-51	5	52
181	Assessment of dietary intake: NuGO symposium report. *Genes and Nutrition*, **2010**, 5, 205-13	4.3	52
180	Whey protein delays gastric emptying and suppresses plasma fatty acids and their metabolites compared to casein, gluten, and fish protein. *Journal of Proteome Research*, **2014**, 13, 2396-408	5.6	51
179	A Healthy Nordic Diet Alters the Plasma Lipidomic Profile in Adults with Features of Metabolic Syndrome in a Multicenter Randomized Dietary Intervention. *Journal of Nutrition*, **2015**, 146, 662-672	4.1	51
178	The Effect of LC-MS Data Preprocessing Methods on the Selection of Plasma Biomarkers in Fed vs. Fasted Rats. *Metabolites*, **2012**, 2, 77-99	5.6	50
177	Biological effects of fruit and vegetables. *Proceedings of the Nutrition Society*, **2006**, 65, 61-7	2.9	50
176	A scheme for a flexible classification of dietary and health biomarkers. *Genes and Nutrition*, **2017**, 12, 34	4.3	49
175	beta-carotene does not change markers of enzymatic and nonenzymatic antioxidant activity in human blood. *Journal of Nutrition*, **1999**, 129, 2162-9	4.1	49
174	Forecasting individual breast cancer risk using plasma metabolomics and biocontours. *Metabolomics*, **2015**, 11, 1376-1380	4.7	48
173	Provision of healthy school meals does not affect the metabolic syndrome score in 8-11-year-old children, but reduces cardiometabolic risk markers despite increasing waist circumference. *British Journal of Nutrition*, **2014**, 112, 1826-36	3.6	48
172	Dietary carbohydrate source influences molecular fingerprints of the rat faecal microbiota. *BMC Microbiology*, **2006**, 6, 98	4.5	48
171	Guidelines for Biomarker of Food Intake Reviews (BFIRev): how to conduct an extensive literature search for biomarker of food intake discovery. *Genes and Nutrition*, **2018**, 13, 3	4.3	47
170	Dietary levels of plant phenols and other non-nutritive components: could they prevent cancer?. *European Journal of Cancer Prevention*, **1997**, 6, 522-8	2	47

169	Human absorption and excretion of flavonoids after broccoli consumption. *Cancer Letters*, **1997**, 114, 173-4	9.9	47
168	LC□MS metabolomics top-down approach reveals new exposure and effect biomarkers of apple and apple-pectin intake. *Metabolomics*, **2012**, 8, 64-73	4.7	46
167	Metabolic fingerprinting of high-fat plasma samples processed by centrifugation- and filtration-based protein precipitation delineates significant differences in metabolite information coverage. *Analytica Chimica Acta*, **2012**, 718, 47-57	6.6	46
166	Inhibition of □glucosidase activity by selected edible seaweeds and fucoxanthin. *Food Chemistry*, **2019**, 270, 481-486	8.5	45
165	Effect of long-term selenium yeast intervention on activity and gene expression of antioxidant and xenobiotic metabolising enzymes in healthy elderly volunteers from the Danish Prevention of Cancer by Intervention by Selenium (PRECISE) pilot study. *British Journal of Nutrition*, **2008**, 99, 1190-8	3.6	45
164	Intake of whole grains in Scandinavia is associated with healthy lifestyle, socio-economic and dietary factors. *Public Health Nutrition*, **2011**, 14, 1787-95	3.3	44
163	DNA repair phenotype and dietary antioxidant supplementation. *British Journal of Nutrition*, **2008**, 99, 1018-24	3.6	44
162	Biomarkers of exposure to vitamins A, C, and E and their relation to lipid and protein oxidation markers. *European Journal of Nutrition*, **2008**, 47 Suppl 2, 3-18	5.2	44
161	LC-QTOF/MS metabolomic profiles in human plasma after a 5-week high dietary fiber intake. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 4799-809	4.4	42
160	Ex-vivo and in vitro protective effects of kolaviron against oxygen-derived radical-induced DNA damage and oxidative stress in human lymphocytes and rat liver cells. *Cell Biology and Toxicology*, **2004**, 20, 71-82	7.4	42
159	Oxidative DNA damage in vitamin C-supplemented guinea pigs after intratracheal instillation of diesel exhaust particles. *Toxicology and Applied Pharmacology*, **2003**, 189, 39-44	4.6	42
158	A safe strategy for addition of vitamins and minerals to foods. *European Journal of Nutrition*, **2006**, 45, 123-35	5.2	41
157	New Nordic Diet versus Average Danish Diet: A Randomized Controlled Trial Revealed Healthy Long-Term Effects of the New Nordic Diet by GC-MS Blood Plasma Metabolomics. *Journal of Proteome Research*, **2016**, 15, 1939-54	5.6	41
156	Determinants of dietary supplement use--healthy individuals use dietary supplements. *British Journal of Nutrition*, **2015**, 113, 1993-2000	3.6	40
155	Healthy Nordic diet downregulates the expression of genes involved in inflammation in subcutaneous adipose tissue in individuals with features of the metabolic syndrome. *American Journal of Clinical Nutrition*, **2015**, 101, 228-39	7	38
154	Fruit and vegetable intake and risk of acute coronary syndrome. *British Journal of Nutrition*, **2010**, 104, 248-55	3.6	38
153	Commonly consumed and naturally occurring dietary substances affect biomarkers of oxidative stress and DNA damage in healthy rats. *Food and Chemical Toxicology*, **2004**, 42, 1315-22	4.7	38
152	Effect of dietary advanced glycation end products on postprandial appetite, inflammation, and endothelial activation in healthy overweight individuals. *European Journal of Nutrition*, **2014**, 53, 661-72	5.2	37

151	Metabolite profiling and beyond: approaches for the rapid processing and annotation of human blood serum mass spectrometry data. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 5037-48	4.4	37
150	Assessment of dietary exposure related to dietary GI and fibre intake in a nutritional metabolomic study of human urine. *Genes and Nutrition*, **2012**, 7, 281-93	4.3	37
149	Gut microbiota alterations and dietary modulation in childhood malnutrition - The role of short chain fatty acids. *Clinical Nutrition*, **2019**, 38, 615-630	5.9	37
148	Self-reported whole-grain intake and plasma alkylresorcinol concentrations in combination in relation to the incidence of colorectal cancer. *American Journal of Epidemiology*, **2014**, 179, 1188-96	3.8	36
147	Discovery of exposure markers in urine for Brassica-containing meals served with different protein sources by UPLC-qTOF-MS untargeted metabolomics. *Metabolomics*, **2013**, 9, 984-997	4.7	36
146	Metabolic formation, synthesis and genotoxicity of the N-hydroxy derivative of the food mutagen 2-amino-1-methyl-6-phenylimidazo (4,5-b) pyridine (PhIP). *Mutagenesis*, **1991**, 6, 93-8	2.8	36
145	Inhibitory effects of edible seaweeds, polyphenolics and alginates on the activities of porcine pancreatic □amylase. *Food Chemistry*, **2018**, 245, 1196-1203	8.5	36
144	Perspective: Dietary Biomarkers of Intake and Exposure-Exploration with Omics Approaches. *Advances in Nutrition*, **2020**, 11, 200-215	10	35
143	Column-switching high-performance liquid chromatographic assay for the determination of quercetin in human urine with ultraviolet absorbance detection. *Biomedical Applications*, **1998**, 707, 81-9		35
142	Mutagenicity of 2-amino-3-methylimidazo[4,5-f]quinoline in colon and liver of Big Blue rats: role of DNA adducts, strand breaks, DNA repair and oxidative stress. *Carcinogenesis*, **2002**, 23, 1379-85	4.6	35
141	Inter-individual variation, seasonal variation and close correlation of OGG1 and ERCC1 mRNA levels in full blood from healthy volunteers. *Carcinogenesis*, **2002**, 23, 1505-9	4.6	35
140	Column-switching high-performance liquid chromatographic assay for determination of apigenin and acacetin in human urine with ultraviolet absorbance detection. *Biomedical Applications*, **1998**, 713, 379-86		34
139	Identification of urinary biomarkers after consumption of sea buckthorn and strawberry, by untargeted LC□MS metabolomics: a meal study in adult men. *Metabolomics*, **2016**, 12, 1	4.7	33
138	A dietary biomarker approach captures compliance and cardiometabolic effects of a healthy Nordic diet in individuals with metabolic syndrome. *Journal of Nutrition*, **2014**, 144, 1642-9	4.1	33
137	Food intake biomarkers for apple, pear, and stone fruit. *Genes and Nutrition*, **2018**, 13, 29	4.3	32
136	Biomarkers of intake for coffee, tea, and sweetened beverages. *Genes and Nutrition*, **2018**, 13, 15	4.3	31
135	Micronutrient intake and risk of colon and rectal cancer in a Danish cohort. *Cancer Epidemiology*, **2010**, 34, 40-6	2.8	31
134	DNA damage in lung after oral exposure to diesel exhaust particles in Big Blue rats. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2004**, 550, 123-32	3.3	31

133	Adaption of an in vitro digestion method to screen carotenoid liberation and in vitro accessibility from differently processed spinach preparations. *Food Chemistry*, **2017**, 224, 407-413	8.5	30
132	Intake of vitamins A, C, and E from diet and supplements and breast cancer in postmenopausal women. *Cancer Causes and Control*, **2003**, 14, 695-704	2.8	30
131	Anthocyanins increase low-density lipoprotein and plasma cholesterol and do not reduce atherosclerosis in Watanabe Heritable Hyperlipidemic rabbits. *Molecular Nutrition and Food Research*, **2005**, 49, 301-8	5.9	30
130	Extracted oat and barley β-glucans do not affect cholesterol metabolism in young healthy adults. *Journal of Nutrition*, **2013**, 143, 1579-85	4.1	29
129	Micronutrient intake and risk of urothelial carcinoma in a prospective Danish cohort. *European Urology*, **2009**, 56, 764-70	10.2	28
128	The effects of Nordic school meals on concentration and school performance in 8- to 11-year-old children in the OPUS School Meal Study: a cluster-randomised, controlled, cross-over trial. *British Journal of Nutrition*, **2015**, 113, 1280-91	3.6	27
127	Detecting Beer Intake by Unique Metabolite Patterns. *Journal of Proteome Research*, **2016**, 15, 4544-4556	3.6	27
126	Comparative nontargeted profiling of metabolic changes in tissues and biofluids in high-fat diet-fed Ossabaw pig. *Journal of Proteome Research*, **2013**, 12, 3980-92	5.6	27
125	First successful reduction of clinical allergenicity of food by genetic modification: Mal d 1-silenced apples cause fewer allergy symptoms than the wild-type cultivar. *Allergy: European Journal of Allergy and Clinical Immunology*, **2015**, 70, 1406-12	9.3	27
124	Effects of an onion by-product on bioactivity and safety markers in healthy rats. *British Journal of Nutrition*, **2009**, 102, 1574-82	3.6	27
123	Biomarkers of meat and seafood intake: an extensive literature review. *Genes and Nutrition*, **2019**, 14, 35	4.3	27
122	Diet-derived microbial metabolites in health and disease. *Nutrition Bulletin*, **2019**, 44, 216-227	3.5	26
121	Bioactive compounds: safety and efficacy. *Nutrition*, **2009**, 25, 1206-11	4.8	26
120	Metabolism of benzo[a]pyrene by cultured rat and human buccal mucosa cells. *Carcinogenesis*, **1985**, 6, 1761-5	4.6	26
119	Donor Fecal Microbiota Transplantation Alters Gut Microbiota and Metabolites in Obese Individuals With Steatohepatitis. *Hepatology Communications*, **2020**, 4, 1578-1590	6	26
118	Micronutrient intake and risk of prostate cancer in a cohort of middle-aged, Danish men. *Cancer Causes and Control*, **2013**, 24, 1129-35	2.8	25
117	Micronutrient intake and breast cancer characteristics among postmenopausal women. *European Journal of Cancer Prevention*, **2010**, 19, 360-5	2	25
116	NMR and interval PLS as reliable methods for determination of cholesterol in rodent lipoprotein fractions. *Metabolomics*, **2010**, 6, 129-136	4.7	25

115	Bifidobacterium species associated with breastfeeding produce aromatic lactic acids in the infant gut. *Nature Microbiology*, **2021**, 6, 1367-1382	26.6	25
114	Moderate Alcohol Consumption and Chronic Disease: The Case for a Long-Term Trial. *Alcoholism: Clinical and Experimental Research*, **2016**, 40, 2283-2291	3.7	25
113	Glepaglutide, a novel long-acting glucagon-like peptide-2 analogue, for patients with short bowel syndrome: a randomised phase 2 trial. *The Lancet Gastroenterology and Hepatology*, **2019**, 4, 354-363	18.8	24
112	Biomarkers of Individual Foods, and Separation of Diets Using Untargeted LC-MS-based Plasma Metabolomics in a Randomized Controlled Trial. *Molecular Nutrition and Food Research*, **2019**, 63, e1800215	5.9	24
111	A LC-MS metabolomics approach to investigate the effect of raw apple intake in the rat plasma metabolome. *Metabolomics*, **2013**, 9, 1202-1215	4.7	24
110	Carbohydrate digestibility predicts colon carcinogenesis in azoxymethane-treated rats. *Nutrition and Cancer*, **2006**, 55, 163-70	2.8	23
109	Prediction of fruit and vegetable intake from biomarkers using individual participant data of diet-controlled intervention studies. *British Journal of Nutrition*, **2015**, 113, 1396-409	3.6	22
108	Free fruit at workplace intervention increases total fruit intake: a validation study using 24 h dietary recall and urinary flavonoid excretion. *European Journal of Clinical Nutrition*, **2010**, 64, 1222-8	5.2	22
107	Effects of dietary antioxidants and 2-amino-3-methylimidazo[4,5-f]- quinoline (IQ) on preneoplastic lesions and on oxidative damage, hormonal status, and detoxification capacity in the rat. *Food and Chemical Toxicology*, **2003**, 41, 1315-23	4.7	22
106	DNA-binding and disposition of 2-amino-1-methyl-6-phenylimidazo[4,5-b] pyridine (PhIP) in the rat. *Carcinogenesis*, **1995**, 16, 2785-93	4.6	22
105	Combined Markers to Assess Meat Intake-Human Metabolomic Studies of Discovery and Validation. *Molecular Nutrition and Food Research*, **2019**, 63, e1900106	5.9	21
104	Effect of trans fatty acid intake on LC-MS and NMR plasma profiles. *PLoS ONE*, **2013**, 8, e69589	3.7	21
103	Intakes of whey protein hydrolysate and whole whey proteins are discriminated by LC-MS metabolomics. *Metabolomics*, **2014**, 10, 719-736	4.7	20
102	Micronutrient intake in relation to all-cause mortality in a prospective Danish cohort. *Food and Nutrition Research*, **2012**, 56,	3.1	20
101	Short-term effects of dietary advanced glycation end products in rats. *British Journal of Nutrition*, **2016**, 115, 629-36	3.6	20
100	Acute effects of light and dark roasted coffee on glucose tolerance: a randomized, controlled crossover trial in healthy volunteers. *European Journal of Nutrition*, **2016**, 55, 2221-30	5.2	19
99	Effect of cheese and butter intake on metabolites in urine using an untargeted metabolomics approach. *Metabolomics*, **2014**, 10, 1176-1185	4.7	19
98	Source-specific effects of micronutrients in lung cancer prevention. *Lung Cancer*, **2010**, 67, 275-81	5.9	18

97	Green tea extract only affects markers of oxidative status postprandially: lasting antioxidant effect of flavonoid-free diet. *British Journal of Nutrition*, **2002**, 87, 343-55	3.6	18
96	The PREVIEW intervention study: Results from a 3-year randomized 2 x 2 factorial multinational trial investigating the role of protein, glycaemic index and physical activity for prevention of type 2 diabetes. *Diabetes, Obesity and Metabolism*, **2021**, 23, 324-337	6.7	18
95	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
94	Initial liking influences the development of acceptance learning across repeated exposure to fruit juices in 9–11 year-old children. *Food Quality and Preference*, **2015**, 39, 228-235	5.8	17
93	In vitro liberation of carotenoids from spinach and Asia salads after different domestic kitchen procedures. *Food Chemistry*, **2016**, 203, 23-27	8.5	17
92	Optimizing sampling strategies for NMR-based metabolomics of human feces: pooled vs. unpooled analyses. *Analytical Methods*, **2017**, 9, 4476-4480	3.2	17
91	Effects of a healthy Nordic diet on gene expression changes in peripheral blood mononuclear cells in response to an oral glucose tolerance test in subjects with metabolic syndrome: a SYSDIET sub-study. *Genes and Nutrition*, **2016**, 11, 3	4.3	16
90	Pretreatment Prevotella-to-Bacteroides ratio and salivary amylase gene copy number as prognostic markers for dietary weight loss. *American Journal of Clinical Nutrition*, **2020**, 111, 1079-1086	7	15
89	Progressive Changes in the Plasma Metabolome during Malnutrition in Juvenile Pigs. *Journal of Proteome Research*, **2016**, 15, 447-56	5.6	15
88	Safety evaluation of some wild plants in the New Nordic Diet. *Food and Chemical Toxicology*, **2012**, 50, 4461-7	4.7	15
87	Coupled Matrix Factorization with Sparse Factors to Identify Potential Biomarkers in Metabolomics **2012**,		15
86	Formation of DNA adducts by the food mutagen 2-amino-3,4,8-trimethyl-3H-imidazo[4,5-f]quinoxaline (4,8-DiMeIQx) in vitro and in vivo. Identification of a N2-(2Rdeoxyguanosin-8-yl)-4,8-DiMeIQx adduct. *Carcinogenesis*, **1994**, 15, 2553-8	4.6	15
85	Substances with affinity to a monoclonal aflatoxin B1 antibody in Danish urine samples. *Food and Chemical Toxicology*, **1988**, 26, 233-42	4.7	15
84	An explorative study of the effect of apple and apple products on the human plasma metabolome investigated by LC–MS profiling. *Metabolomics*, **2015**, 11, 27-39	4.7	14
83	Higher Protein Intake Is Not Associated with Decreased Kidney Function in Pre-Diabetic Older Adults Following a One-Year Intervention-A Preview Sub-Study. *Nutrients*, **2018**, 10,	6.7	14
82	Minimising the population risk of micronutrient deficiency and over-consumption: a new approach using selenium as an example. *European Journal of Nutrition*, **2008**, 47, 17-25	5.2	14
81	Dietary elevated sucrose modulation of diesel-induced genotoxicity in the colon and liver of Big Blue rats. *Archives of Toxicology*, **2003**, 77, 651-6	5.8	14
80	Sea buckthorn decreases and delays insulin response and improves glycaemic profile following a sucrose-containing berry meal: a randomised, controlled, crossover study of Danish sea buckthorn and strawberries in overweight and obese male subjects. *European Journal of Nutrition*, **2018**, 57, 2827-2837	5.2	13

79	Antibiotic Treatment Preventing Necrotising Enterocolitis Alters Urinary and Plasma Metabolomes in Preterm Pigs. *Journal of Proteome Research*, **2017**, 16, 3547-3557	5.6	13
78	Compliance, tolerability and safety of two antioxidant-rich diets: a randomised controlled trial in male smokers. *British Journal of Nutrition*, **2011**, 106, 557-71	3.6	13
77	Analysis of native human plasma proteins and haemoglobin for the presence of bityrosine by high-performance liquid chromatography. *Basic and Clinical Pharmacology and Toxicology*, **1997**, 81, 205-8		13
76	Sucrose, glucose and fructose have similar genotoxicity in the rat colon and affect the metabolome. *Food and Chemical Toxicology*, **2008**, 46, 752-60	4.7	13
75	Effect of increased intake of dietary animal fat and fat energy on oxidative damage, mutation frequency, DNA adduct level and DNA repair in rat colon and liver. *Free Radical Research*, **2003**, 37, 947-56	4	13
74	Optimized, Fast-Throughput UHPLC-DAD Based Method for Carotenoid Quantification in Spinach, Serum, Chylomicrons, and Feces. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 973-980	5.7	12
73	The effect of apple feeding on markers of colon carcinogenesis. *Nutrition and Cancer*, **2011**, 63, 402-9	2.8	12
72	An onion byproduct affects plasma lipids in healthy rats. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 5308-14	5.7	12
71	Breastmilk-promoted bifidobacteria produce aromatic amino acids in the infant gut		12
70	Forecasting Chronic Diseases Using Data Fusion. *Journal of Proteome Research*, **2017**, 16, 2435-2444	5.6	11
69	Associations between school meal-induced dietary changes and metabolic syndrome markers in 8-11-year-old Danish children. *European Journal of Nutrition*, **2016**, 55, 1973-84	5.2	11
68	Biomarkers of food intake for vegetables. *Genes and Nutrition*, **2018**, 13, 34	4.3	11
67	Perspective: Essential Study Quality Descriptors for Data from Nutritional Epidemiologic Research. *Advances in Nutrition*, **2017**, 8, 639-651	10	10
66	A Protein Diet Score, Including Plant and Animal Protein, Investigating the Association with HbA1c and eGFR-The PREVIEW Project. *Nutrients*, **2017**, 9,	6.7	10
65	The Citrus-Derived Flavonoid Naringenin Exerts Uterotrophic Effects in Female Mice at Human Relevant Doses. *Basic and Clinical Pharmacology and Toxicology*, **2004**, 94, 30-36		10
64	A Metabolomics Approach to the Identification of Urinary Biomarkers of Pea Intake. *Nutrients*, **2018**, 10,	6.7	10
63	Biomarkers of tuber intake. *Genes and Nutrition*, **2019**, 14, 9	4.3	9
62	Biomarkers of intake for tropical fruits. *Genes and Nutrition*, **2020**, 15, 11	4.3	9

61	Serum estrogen and SHBG levels and breast cancer incidence among users and never users of hormone replacement therapy. *Cancer Causes and Control*, **2012**, 23, 1711-20	2.8	9
60	Apple, cherry, and blackcurrant increases nuclear factor kappa B activation in liver of transgenic mice. *Nutrition and Cancer*, **2010**, 62, 841-8	2.8	9
59	No effect on oxidative stress biomarkers by modified intakes of polyunsaturated fatty acids or vegetables and fruit. *European Journal of Clinical Nutrition*, **2008**, 62, 1151-3	5.2	9
58	Alcohol-related breast cancer in postmenopausal women - effect of CYP19A1, PPARG and PPARGC1A polymorphisms on female sex-hormone levels and interaction with alcohol consumption and NSAID usage in a nested case-control study and a randomised controlled trial. *BMC Cancer*, **2016**, 16, 283	4.8	9
57	An Isocaloric Nordic Diet Modulates and Gene Expression in Peripheral Blood Mononuclear Cells in Individuals with Metabolic Syndrome-A SYSDIET Sub-Study. *Nutrients*, **2019**, 11,	6.7	9
56	The Moderate Alcohol and Cardiovascular Health Trial (MACH15): Design and methods for a randomized trial of moderate alcohol consumption and cardiometabolic risk. *European Journal of Preventive Cardiology*, **2020**, 27, 1967-1982	3.9	9
55	Healthy Nordic Diet Modulates the Expression of Genes Related to Mitochondrial Function and Immune Response in Peripheral Blood Mononuclear Cells from Subjects with Metabolic Syndrome-A SYSDIET Sub-Study. *Molecular Nutrition and Food Research*, **2019**, 63, e1801405	5.9	8
54	Describing the fecal metabolome in cryogenically collected samples from healthy participants. *Scientific Reports*, **2020**, 10, 885	4.9	8
53	Dietary determinants for Hb-acrylamide and Hb-glycidamide adducts in Danish non-smoking women. *British Journal of Nutrition*, **2011**, 105, 1381-7	3.6	8
52	Pre- and post-diagnostic intake of whole grain and dairy products and breast cancer prognosis: the Danish Diet, Cancer and Health cohort. *Breast Cancer Research and Treatment*, **2020**, 179, 743-753	4.4	8
51	Vegan Diet and the Gut Microbiota Composition in Healthy Adults. *Nutrients*, **2021**, 13,	6.7	8
50	Biomarkers of seaweed intake. *Genes and Nutrition*, **2019**, 14, 24	4.3	7
49	Joint Data Analysis in Nutritional Epidemiology: Identification of Observational Studies and Minimal Requirements. *Journal of Nutrition*, **2018**, 148, 285-297	4.1	7
48	Patterns of time since last meal revealed by sparse PCA in an observational LC-MS based metabolomics study. *Metabolomics*, **2013**, 9, 1073-1081	4.7	7
47	Sucrose and IQ induced mutations in rat colon by independent mechanism. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2004**, 554, 279-86	3.3	7
46	Dietary low-dose sucrose modulation of IQ-induced genotoxicity in the colon and liver of Big Blue rats. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2003**, 527, 91-7	3.3	7
45	Bioactivation of 2-amino-1-methyl-6-phenylimidazo[4,5-b]-pyridine by liver microsomes from three different rat strains. *Basic and Clinical Pharmacology and Toxicology*, **1993**, 72, 388-93		7
44	Breastmilk Lipids and Oligosaccharides Influence Branched Short-Chain Fatty Acid Concentrations in Infants with Excessive Weight Gain. *Molecular Nutrition and Food Research*, **2020**, 64, e1900977	5.9	7

43	The insulin-like growth factor family and breast cancer prognosis: A prospective cohort study among postmenopausal women in Denmark. *Growth Hormone and IGF Research*, **2019**, 44, 33-42	2	7
42	The anserine to carnosine ratio: an excellent discriminator between white and red meats consumed by free-living overweight participants of the PREVIEW study. *European Journal of Nutrition*, **2021**, 60, 179-192	5.2	7
41	Body composition after allogeneic haematopoietic cell transplantation/total body irradiation in children and young people: a restricted systematic review. *Journal of Cancer Survivorship*, **2020**, 14, 624-642	5.1	6
40	Urine Metabolome Profiling Reveals Imprints of Food Heating Processes after Dietary Intervention with Differently Cooked Potatoes. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 6122-6131	5.7	6
39	Dried urine swabs as a tool for monitoring metabolite excretion. *Bioanalysis*, **2018**, 10, 1371-1381	2.1	6
38	Antibodies to the food mutagens, 2-amino-1-methyl-6-phenylimidazo [4,5-b]pyridine and 2-amino-3,4,8-trimethylimidazo[4,5-f]quinoxaline: useful for immunoassay and immunoaffinity chromatography of biological samples. *Carcinogenesis*, **1995**, 16, 2795-806	4.6	6
37	Association between single nucleotide polymorphisms in the antioxidant genes , and , erythrocyte enzyme activities, dietary and life style factors and breast cancer risk in a Danish, prospective cohort study. *Oncotarget*, **2017**, 8, 62984-62997	3.3	6
36	Autocrine negative feedback regulation of lipolysis through sensing of NEFAs by FFAR4/GPR120 in WAT. *Molecular Metabolism*, **2020**, 42, 101103	8.8	6
35	Meat and Human Health-Current Knowledge and Research Gaps. *Foods*, **2021**, 10,	4.9	6
34	Cheese intake lowers plasma cholesterol concentrations without increasing bile acid excretion. *Journal of Nutrition & Intermediary Metabolism*, **2016**, 3, 12-17	2.8	6
33	Apple pomace improves gut health in Fisher rats independent of seed content. *Food and Function*, **2018**, 9, 2931-2941	6.1	5
32	Effects of school meals with weekly fish servings on vitamin D status in Danish children: secondary outcomes from the OPUS (Optimal well-being, development and health for Danish children through a healthy New Nordic Diet) School Meal Study. *Journal of Nutritional Science*, **2015**, 4, e26	2.7	5
31	Novel challenges for the allergist. *Clinical Reviews in Allergy and Immunology*, **2011**, 41, 1-3	12.3	5
30	Validity of physical activity and cardiorespiratory fitness in the Danish cohort "Diet, Cancer and Health-Next Generations". *Scandinavian Journal of Medicine and Science in Sports*, **2017**, 27, 1864-1872	4.6	4
29	Correlation of plasma metabolites with glucose and lipid fluxes in human insulin resistance. *Obesity Science and Practice*, **2020**, 6, 340-349	2.6	4
28	A versatile UHPLC–MSMS method for simultaneous quantification of various alcohol intake related compounds in human urine and blood. *Analytical Methods*, **2016**, 8, 6865-6871	3.2	4
27	Convenient Synthesis of N-(Carboxymethyl)lysine, a Key Advanced Glycation Endproduct Biomarker. *Synlett*, **2012**, 23, 531-534	2.2	4
26	An Untargeted Urine Metabolomics Approach for Autologous Blood Transfusion Detection. *Medicine and Science in Sports and Exercise*, **2021**, 53, 236-243	1.2	4

25	Human urine H NMR metabolomics reveals alterations of protein and carbohydrate metabolism when comparing habitual Average Danish diet vs. healthy New Nordic diet. *Nutrition*, **2020**, 79-80, 110867	4.8	4
24	Effect of Fecal Microbiota Transplantation Combined With Mediterranean Diet on Insulin Sensitivity in Subjects With Metabolic Syndrome. *Frontiers in Microbiology*, **2021**, 12, 662159	5.7	4
23	Pre-meal protein intake alters postprandial plasma metabolome in subjects with metabolic syndrome. *European Journal of Nutrition*, **2020**, 59, 1881-1894	5.2	4
22	Lipidomics of human adipose tissue reveals diversity between body areas. *PLoS ONE*, **2020**, 15, e0228521	3.7	3
21	Effects of sucrose and cornstarch on 2-amino-3-methylimidazo[4,5-f]quinoline (IQ)-induced colon and liver carcinogenesis in F344 rats. *Cancer Letters*, **2004**, 209, 17-24	9.9	3
20	The association of dietary animal and plant protein with putative risk markers of colorectal cancer in overweight pre-diabetic individuals during a weight-reducing programme: a PREVIEW sub-study. *European Journal of Nutrition*, **2020**, 59, 1517-1527	5.2	3
19	Whole-Grain Intake and Pancreatic Cancer Risk-The Danish, Diet, Cancer and Health Cohort. *Journal of Nutrition*, **2021**, 151, 666-674	4.1	3
18	Comparison of Bi- and Tri-Linear PLS Models for Variable Selection in Metabolomic Time-Series Experiments. *Metabolites*, **2019**, 9,	5.6	2
17	Using metabolomics to evaluate food intake: applications in nutritional epidemiology **2015**, 167-196		2
16	Lipidomics of human adipose tissue reveals diversity between body areas		2
15	Effects of brown seaweeds on postprandial glucose, insulin and appetite in humans - A randomized, 3-way, blinded, cross-over meal study. *Clinical Nutrition*, **2021**, 40, 830-838	5.9	2
14	Meat and Cancer Evidence for and Against **2017**, 479-499		1
13	Serum carotenoids and macular pigment optical density in patients with intestinal resections and healthy subjects: an exploratory study. *Journal of Nutritional Science*, **2018**, 7, e8	2.7	1
12	Associations between Urinary Advanced Glycation End Products and Cardiometabolic Parameters in Metabolically Healthy Obese Women. *Journal of Clinical Medicine*, **2019**, 8,	5.1	1
11	Letter to the editor: Colorectal cancer risk and association with red meat--is it inconsistent? Answer to the letter by Corpet, De Smet and Demeyer. *Meat Science*, **2014**, 98, 792-4	6.4	1
10	Cancer risk assessment and the EPA guidelines. *Human and Ecological Risk Assessment (HERA)*, **1997**, 3, 501-505	4.9	1
9	Analysis of the SYSDIET Healthy Nordic Diet randomized trial based on metabolic profiling reveal beneficial effects on glucose metabolism and blood lipids.. *Clinical Nutrition*, **2021**, 41, 441-451	5.9	1
8	Discovery of Urinary Biomarkers of Seaweed Intake Using Untargeted LC-MS Metabolomics in a Three-Way Cross-Over Human Study. *Metabolites*, **2020**, 11,	5.6	1

List of Publications

7	New Advanced Glycation End Products Observed in Rat Urine by Untargeted Metabolomics after Feeding with Heat-Treated Skimmed Milk Powder. *Molecular Nutrition and Food Research*, **2021**, 65, e2001049	5.9	1
6	Data sharing in PredRet for accurate prediction of retention time: Application to plant food bioactive compounds. *Food Chemistry*, **2021**, 357, 129757	8.5	1
5	Determination of Carcinogen Exposure by Immunological Techniques **1989**, 319-338		1
4	Discovery of urinary biomarkers of spinach consumption using untargeted LC-MS metabolomics in a human intervention trial.. *Molecular Nutrition and Food Research*, **2022**, e2100260	5.9	0
3	Combined Urinary Biomarkers to Assess Coffee Intake Using Untargeted Metabolomics: Discovery in Three Pilot Human Intervention Studies and Validation in Cross-Sectional Studies. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 7230-7242	5.7	0
2	Compounds in Plants Inducing Detoxifying and Antioxidative Enzymes365-372		
1	Effect of Fruit and Vegetable Intake on cvd Risk Factors in Humans **2013**, 501-528		