Claudine Manach

List of Publications by Year in Descending Order

86 papers	21,642 citations	53 h-index	88 g-index
88 ext. papers	24,163 ext. citations	5.3 avg, IF	6.58 L-index

#	Paper	IF	Citations
86	Apolipoprotein E and sex modulate fatty acid metabolism in a prospective observational study of cognitive decline.. *Alzheimers Research and Therapy*, **2022**, 14, 1	9	3
85	Food and Microbiota Metabolites Associate with Cognitive Decline in Older Subjects: A 12-Year Prospective Study. *Molecular Nutrition and Food Research*, **2021**, 65, e2100606	5.9	4
84	Metabolomic Changes after Coffee Consumption: New Paths on the Block. *Molecular Nutrition and Food Research*, **2021**, 65, e2000875	5.9	10
83	Monoterpenes: current knowledge on food source, metabolism, and health effects. *Critical Reviews in Food Science and Nutrition*, **2021**, 1-38	11.5	1
82	Data sharing in PredRet for accurate prediction of retention time: Application to plant food bioactive compounds. *Food Chemistry*, **2021**, 357, 129757	8.5	1
81	Untargeted plasma metabolomic profiles associated with overall diet in women from the SU.VI.MAX cohort. *European Journal of Nutrition*, **2020**, 59, 3425-3439	5.2	6
80	Why interindividual variation in response to consumption of plant food bioactives matters for future personalised nutrition. *Proceedings of the Nutrition Society*, **2020**, 79, 225-235	2.9	16
79	Food intake biomarkers for green leafy vegetables, bulb vegetables, and stem vegetables: a review. *Genes and Nutrition*, **2020**, 15, 7	4.3	7
78	Caffeine Compromises Proliferation of Human Hippocampal Progenitor Cells. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 806	5.7	3
77	Recommendations for standardizing nomenclature for dietary (poly)phenol catabolites. *American Journal of Clinical Nutrition*, **2020**, 112, 1051-1068	7	35
76	Diet-Related Metabolomic Signature of Long-Term Breast Cancer Risk Using Penalized Regression: An Exploratory Study in the SU.VI.MAX Cohort. *Cancer Epidemiology Biomarkers and Prevention*, **2020**, 29, 396-405	4	8
75	Diet-Related Metabolites Associated with Cognitive Decline Revealed by Untargeted Metabolomics in a Prospective Cohort. *Molecular Nutrition and Food Research*, **2019**, 63, e1900177	5.9	20
74	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
73	Targeting the delivery of dietary plant bioactives to those who would benefit most: from science to practical applications. *European Journal of Nutrition*, **2019**, 58, 65-73	5.2	6
72	Future prospects for dissecting inter-individual variability in the absorption, distribution and elimination of plant bioactives of relevance for cardiometabolic endpoints. *European Journal of Nutrition*, **2019**, 58, 21-36	5.2	19
71	A Review of Factors Affecting Anthocyanin Bioavailability: Possible Implications for the Inter-Individual Variability. *Foods*, **2019**, 9,	4.9	52
70	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. *Molecular Nutrition and Food Research*, **2019**, 63, e1800384	5.9	107

69	BioTransformer: a comprehensive computational tool for small molecule metabolism prediction and metabolite identification. *Journal of Cheminformatics*, **2019**, 11, 2	8.6	142
68	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
67	HMDB 4.0: the human metabolome database for 2018. *Nucleic Acids Research*, **2018**, 46, D608-D617	20.1	1832
66	Interlaboratory Coverage Test on Plant Food Bioactive Compounds and their Metabolites by Mass Spectrometry-Based Untargeted Metabolomics. *Metabolites*, **2018**, 8,	5.6	17
65	Food intake biomarkers for apple, pear, and stone fruit. *Genes and Nutrition*, **2018**, 13, 29	4.3	32
64	Biomarkers of food intake for vegetables. *Genes and Nutrition*, **2018**, 13, 34	4.3	11
63	A scheme for a flexible classification of dietary and health biomarkers. *Genes and Nutrition*, **2017**, 12, 34	4.3	49
62	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
61	Nutrition for the ageing brain: Towards evidence for an optimal diet. *Ageing Research Reviews*, **2017**, 35, 222-240	12	120
60	Addressing the inter-individual variation in response to consumption of plant food bioactives: Towards a better understanding of their role in healthy aging and cardiometabolic risk reduction. *Molecular Nutrition and Food Research*, **2017**, 61, 1600557	5.9	127
59	Systematic analysis of the polyphenol metabolome using the Phenol-Explorer database. *Molecular Nutrition and Food Research*, **2016**, 60, 203-11	5.9	53
58	Can we trust untargeted metabolomics? Results of the metabo-ring initiative, a large-scale, multi-instrument inter-laboratory study. *Metabolomics*, **2015**, 11, 807-821	4.7	84
57	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
56	The food metabolome: a window over dietary exposure. *American Journal of Clinical Nutrition*, **2014**, 99, 1286-308	7	335
55	Untargeted metabolomics as a screening tool for estimating compliance to a dietary pattern. *Journal of Proteome Research*, **2014**, 13, 1405-18	5.6	98
54	New biomarkers of coffee consumption identified by the non-targeted metabolomic profiling of cohort study subjects. *PLoS ONE*, **2014**, 9, e93474	3.7	86
53	Prediction of the wine polyphenol metabolic space: an application of the Phenol-Explorer database. *Molecular Nutrition and Food Research*, **2014**, 58, 466-77	5.9	22
52	Mass spectrometry-based metabolomics for the discovery of biomarkers of fruit and vegetable intake: citrus fruit as a case study. *Journal of Proteome Research*, **2013**, 12, 1645-59	5.6	128

51	Cranberries and their bioactive constituents in human health. *Advances in Nutrition*, **2013**, 4, 618-32	10	187
50	Phenol-Explorer 3.0: a major update of the Phenol-Explorer database to incorporate data on the effects of food processing on polyphenol content. *Database: the Journal of Biological Databases and Curation*, **2013**, 2013, bat070	5	402
49	Citrus flavanones: what is their role in cardiovascular protection?. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 8809-22	5.7	138
48	Phenol-Explorer 2.0: a major update of the Phenol-Explorer database integrating data on polyphenol metabolism and pharmacokinetics in humans and experimental animals. *Database: the Journal of Biological Databases and Curation*, **2012**, 2012, bas031	5	105
47	Databases on food phytochemicals and their health-promoting effects. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 4331-48	5.7	151
46	Dietary intake of 337 polyphenols in French adults. *American Journal of Clinical Nutrition*, **2011**, 93, 1220-8	7	309
45	Disposition of soy isoflavones in normal human breast tissue. *American Journal of Clinical Nutrition*, **2010**, 91, 976-84	7	74
44	Molecular mechanism of hesperetin-7-O-glucuronide, the main circulating metabolite of hesperidin, involved in osteoblast differentiation. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 668-75	5.7	42
43	Urinary metabolites as biomarkers of polyphenol intake in humans: a systematic review. *American Journal of Clinical Nutrition*, **2010**, 92, 801-9	7	123
42	Development and validation of two new sensitive ELISAs for Hesperetin and Naringenin in biological fluids. *Food Chemistry*, **2010**, 118, 472-481	8.5	9
41	The complex links between dietary phytochemicals and human health deciphered by metabolomics. *Molecular Nutrition and Food Research*, **2009**, 53, 1303-15	5.9	167
40	Tissue distribution of isoflavones in ewes after consumption of red clover silage. *Archives of Biochemistry and Biophysics*, **2008**, 476, 205-10	4.1	32
39	Isoflavones and the prevention of breast and prostate cancer: new perspectives opened by nutrigenomics. *British Journal of Nutrition*, **2008**, 99 E Suppl 1, ES78-108	3.6	72
38	Orally administered isoflavones are present as glucuronides in the human prostate. *Nutrition and Cancer*, **2008**, 60, 461-8	2.8	18
37	Influence of dietary antioxidants on polyphenol intestinal absorption and metabolism in rats. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 3541-6	5.7	15
36	Chlorogenic acid is absorbed in its intact form in the stomach of rats. *Journal of Nutrition*, **2006**, 136, 1192-7	4.1	160
35	Absorption and metabolism of caffeic acid and chlorogenic acid in the small intestine of rats. *British Journal of Nutrition*, **2006**, 96, 39-46	3.6	127
34	Dietary polyphenols and the prevention of diseases. *Critical Reviews in Food Science and Nutrition*, **2005**, 45, 287-306	11.5	1922

33	Co-administration of quercetin and catechin in rats alters their absorption but not their metabolism. *Life Sciences*, **2005**, 77, 3156-67	6.8	52
32	Bioavailability and bioefficacy of polyphenols in humans. II. Review of 93 intervention studies. *American Journal of Clinical Nutrition*, **2005**, 81, 243S-255S	7	989
31	Bioavailability and bioefficacy of polyphenols in humans. I. Review of 97 bioavailability studies. *American Journal of Clinical Nutrition*, **2005**, 81, 230S-242S	7	2926
30	Polyphenols and prevention of cardiovascular diseases. *Current Opinion in Lipidology*, **2005**, 16, 77-84	4.4	425
29	Polyphenol levels in human urine after intake of six different polyphenol-rich beverages. *British Journal of Nutrition*, **2005**, 94, 500-9	3.6	139
28	High-throughput profiling of dietary polyphenols and their metabolites by HPLC-ESI-MS-MS in human urine. *BioFactors*, **2004**, 22, 241-3	6.1	11
27	Polyphenols: food sources and bioavailability. *American Journal of Clinical Nutrition*, **2004**, 79, 727-47	7	5049
26	Anthocyanins are efficiently absorbed from the small intestine in rats. *Journal of Nutrition*, **2004**, 134, 2275-9	4.1	152
25	How should we assess the effects of exposure to dietary polyphenols in vitro?. *American Journal of Clinical Nutrition*, **2004**, 80, 15-21	7	405
24	Pharmacokinetics and metabolism of dietary flavonoids in humans. *Free Radical Research*, **2004**, 38, 771-85	4	319
23	Microbial aromatic acid metabolites formed in the gut account for a major fraction of the polyphenols excreted in urine of rats fed red wine polyphenols. *Journal of Nutrition*, **2003**, 133, 461-7	4.1	180
22	Procyanidins are not bioavailable in rats fed a single meal containing a grapeseed extract or the procyanidin dimer B3. *British Journal of Nutrition*, **2002**, 87, 299-306	3.6	167
21	Quercetin, but not its glycosides, is absorbed from the rat stomach. *Journal of Agricultural and Food Chemistry*, **2002**, 50, 618-21	5.7	150
20	Absorption and metabolism of polyphenols in the gut and impact on health. *Biomedicine and Pharmacotherapy*, **2002**, 56, 276-82	7.5	461
19	Mammalian lignan formation in rats fed a wheat bran diet. *Journal of Agricultural and Food Chemistry*, **2002**, 50, 6222-6	5.7	18
18	Procyanidins are not bioavailable in rats fed a single meal containing a grapeseed extract or the procyanidin dimer B3. *British Journal of Nutrition*, **2002**, 87, 299-306	3.6	25
17	Catechin is metabolized by both the small intestine and liver of rats. *Journal of Nutrition*, **2001**, 131, 1753-7	4.1	170
16	Bioavailability of phloretin and phloridzin in rats. *Journal of Nutrition*, **2001**, 131, 3227-30	4.1	105

15	Binding of flavonoids to plasma proteins. *Methods in Enzymology*, **2001**, 335, 319-33	1.7	87
14	Preparation and characterization of flavonoid metabolites present in biological samples. *Methods in Enzymology*, **2001**, 335, 115-21	1.7	13
13	Comparison of the intestinal absorption of quercetin, phloretin and their glucosides in rats. *Journal of Nutrition*, **2001**, 131, 2109-14	4.1	112
12	Respective bioavailability of quercetin aglycone and its glycosides in a rat model. *BioFactors*, **2000**, 12, 169-74	6.1	99
11	Bioavailability of the flavanone naringenin and its glycosides in rats. *American Journal of Physiology - Renal Physiology*, **2000**, 279, G1148-54	5.1	207
10	Quercetin 3-O-beta-glucoside is better absorbed than other quercetin forms and is not present in rat plasma. *Free Radical Research*, **2000**, 33, 667-76	4	136
9	Part of quercetin absorbed in the small intestine is conjugated and further secreted in the intestinal lumen. *American Journal of Physiology - Renal Physiology*, **1999**, 277, G120-6	5.1	55
8	Comparison of the bioavailability of quercetin and catechin in rats. *Free Radical Biology and Medicine*, **1999**, 27, 1259-66	7.8	108
7	Quercetin is recovered in human plasma as conjugated derivatives which retain antioxidant properties. *FEBS Letters*, **1998**, 426, 331-6	3.8	431
6	Plasma metabolites of quercetin and their antioxidant properties. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **1998**, 275, R212-9	3.2	85
5	Bioavailability of rutin and quercetin in rats. *FEBS Letters*, **1997**, 409, 12-6	3.8	328
4	Bioavailability, metabolism and physiological impact of 4-oxo-flavonoids. *Nutrition Research*, **1996**, 16, 517-544	4	174
3	Dietary quercetin is recovered in rat plasma as conjugated derivatives of isorhamnetin and quercetin. *Journal of Nutritional Biochemistry*, **1996**, 7, 375-380	6.3	89
2	Quercetin metabolites in plasma of rats fed diets containing rutin or quercetin. *Journal of Nutrition*, **1995**, 125, 1911-22	4.1	232
1	Absorption and Metabolism of Dietary Plant Secondary Metabolites303-351		34