

# Claudine Manach

## List of Publications by Citations

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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	Polyphenols: food sources and bioavailability. <i>American Journal of Clinical Nutrition</i> , <b>2004</b> , 79, 727-47	7	5049
85	Bioavailability and bioefficacy of polyphenols in humans. I. Review of 97 bioavailability studies. <i>American Journal of Clinical Nutrition</i> , <b>2005</b> , 81, 230S-242S	7	2926
84	Dietary polyphenols and the prevention of diseases. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2005</b> , 45, 287-306	11.5	1922
83	HMDB 4.0: the human metabolome database for 2018. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, D608-D617	20.1	1832
82	Bioavailability and bioefficacy of polyphenols in humans. II. Review of 93 intervention studies. <i>American Journal of Clinical Nutrition</i> , <b>2005</b> , 81, 243S-255S	7	989
81	Absorption and metabolism of polyphenols in the gut and impact on health. <i>Biomedicine and Pharmacotherapy</i> , <b>2002</b> , 56, 276-82	7.5	461
80	Quercetin is recovered in human plasma as conjugated derivatives which retain antioxidant properties. <i>FEBS Letters</i> , <b>1998</b> , 426, 331-6	3.8	431
79	Polyphenols and prevention of cardiovascular diseases. <i>Current Opinion in Lipidology</i> , <b>2005</b> , 16, 77-84	4.4	425
78	How should we assess the effects of exposure to dietary polyphenols in vitro?. <i>American Journal of Clinical Nutrition</i> , <b>2004</b> , 80, 15-21	7	405
77	Phenol-Explorer 3.0: a major update of the Phenol-Explorer database to incorporate data on the effects of food processing on polyphenol content. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2013</b> , 2013, bat070	5	402
76	The food metabolome: a window over dietary exposure. <i>American Journal of Clinical Nutrition</i> , <b>2014</b> , 99, 1286-308	7	335
75	Bioavailability of rutin and quercetin in rats. <i>FEBS Letters</i> , <b>1997</b> , 409, 12-6	3.8	328
74	Pharmacokinetics and metabolism of dietary flavonoids in humans. <i>Free Radical Research</i> , <b>2004</b> , 38, 771-85		319
73	Dietary intake of 337 polyphenols in French adults. <i>American Journal of Clinical Nutrition</i> , <b>2011</b> , 93, 1220-8		309
72	Quercetin metabolites in plasma of rats fed diets containing rutin or quercetin. <i>Journal of Nutrition</i> , <b>1995</b> , 125, 1911-22	4.1	232
71	Bioavailability of the flavanone naringenin and its glycosides in rats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2000</b> , 279, G1148-54	5.1	207
70	Cranberries and their bioactive constituents in human health. <i>Advances in Nutrition</i> , <b>2013</b> , 4, 618-32	10	187

69	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. <i>Journal of Nutrition</i> , <b>2003</b> , 133, 461-7	4.1	180
68	Bioavailability, metabolism and physiological impact of 4-oxo-flavonoids. <i>Nutrition Research</i> , <b>1996</b> , 16, 517-544	4	174
67	Catechin is metabolized by both the small intestine and liver of rats. <i>Journal of Nutrition</i> , <b>2001</b> , 131, 1753-7	4.1	170
66	The complex links between dietary phytochemicals and human health deciphered by metabolomics. <i>Molecular Nutrition and Food Research</i> , <b>2009</b> , 53, 1303-15	5.9	167
65	Procyanidins are not bioavailable in rats fed a single meal containing a grapeseed extract or the procyanidin dimer B3. <i>British Journal of Nutrition</i> , <b>2002</b> , 87, 299-306	3.6	167
64	Chlorogenic acid is absorbed in its intact form in the stomach of rats. <i>Journal of Nutrition</i> , <b>2006</b> , 136, 1192-7	4.1	160
63	Anthocyanins are efficiently absorbed from the small intestine in rats. <i>Journal of Nutrition</i> , <b>2004</b> , 134, 2275-9	4.1	152
62	Databases on food phytochemicals and their health-promoting effects. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 4331-48	5.7	151
61	Quercetin, but not its glycosides, is absorbed from the rat stomach. <i>Journal of Agricultural and Food Chemistry</i> , <b>2002</b> , 50, 618-21	5.7	150
60	BioTransformer: a comprehensive computational tool for small molecule metabolism prediction and metabolite identification. <i>Journal of Cheminformatics</i> , <b>2019</b> , 11, 2	8.6	142
59	Polyphenol levels in human urine after intake of six different polyphenol-rich beverages. <i>British Journal of Nutrition</i> , <b>2005</b> , 94, 500-9	3.6	139
58	Citrus flavanones: what is their role in cardiovascular protection?. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 8809-22	5.7	138
57	Quercetin 3-O-beta-glucoside is better absorbed than other quercetin forms and is not present in rat plasma. <i>Free Radical Research</i> , <b>2000</b> , 33, 667-76	4	136
56	Mass spectrometry-based metabolomics for the discovery of biomarkers of fruit and vegetable intake: citrus fruit as a case study. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 1645-59	5.6	128
55	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. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1600557	5.9	127
54	Absorption and metabolism of caffeic acid and chlorogenic acid in the small intestine of rats. <i>British Journal of Nutrition</i> , <b>2006</b> , 96, 39-46	3.6	127
53	Urinary metabolites as biomarkers of polyphenol intake in humans: a systematic review. <i>American Journal of Clinical Nutrition</i> , <b>2010</b> , 92, 801-9	7	123
52	Nutrition for the ageing brain: Towards evidence for an optimal diet. <i>Ageing Research Reviews</i> , <b>2017</b> , 35, 222-240	12	120

51	Comparison of the intestinal absorption of quercetin, phloretin and their glucosides in rats. <i>Journal of Nutrition</i> , <b>2001</b> , 131, 2109-14	4.1	112
50	Comparison of the bioavailability of quercetin and catechin in rats. <i>Free Radical Biology and Medicine</i> , <b>1999</b> , 27, 1259-66	7.8	108
49	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1800384	5.9	107
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. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2012</b> , 2012, bas031	5	105
47	Bioavailability of phloretin and phloridzin in rats. <i>Journal of Nutrition</i> , <b>2001</b> , 131, 3227-30	4.1	105
46	Respective bioavailability of quercetin aglycone and its glycosides in a rat model. <i>BioFactors</i> , <b>2000</b> , 12, 169-74	6.1	99
45	Untargeted metabolomics as a screening tool for estimating compliance to a dietary pattern. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 1405-18	5.6	98
44	Dietary quercetin is recovered in rat plasma as conjugated derivatives of isorhamnetin and quercetin. <i>Journal of Nutritional Biochemistry</i> , <b>1996</b> , 7, 375-380	6.3	89
43	Binding of flavonoids to plasma proteins. <i>Methods in Enzymology</i> , <b>2001</b> , 335, 319-33	1.7	87
42	New biomarkers of coffee consumption identified by the non-targeted metabolomic profiling of cohort study subjects. <i>PLoS ONE</i> , <b>2014</b> , 9, e93474	3.7	86
41	Plasma metabolites of quercetin and their antioxidant properties. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>1998</b> , 275, R212-9	3.2	85
40	Can we trust untargeted metabolomics? Results of the metabo-ring initiative, a large-scale, multi-instrument inter-laboratory study. <i>Metabolomics</i> , <b>2015</b> , 11, 807-821	4.7	84
39	Disposition of soy isoflavones in normal human breast tissue. <i>American Journal of Clinical Nutrition</i> , <b>2010</b> , 91, 976-84	7	74
38	Isoflavones and the prevention of breast and prostate cancer: new perspectives opened by nutrigenomics. <i>British Journal of Nutrition</i> , <b>2008</b> , 99 E Suppl 1, ES78-108	3.6	72
37	Discovery and validation of urinary exposure markers for different plant foods by untargeted metabolomics. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 1829-44	4.4	68
36	Combining traditional dietary assessment methods with novel metabolomics techniques: present efforts by the Food Biomarker Alliance. <i>Proceedings of the Nutrition Society</i> , <b>2017</b> , 76, 619-627	2.9	62
35	Part of quercetin absorbed in the small intestine is conjugated and further secreted in the intestinal lumen. <i>American Journal of Physiology - Renal Physiology</i> , <b>1999</b> , 277, G120-6	5.1	55
34	Systematic analysis of the polyphenol metabolome using the Phenol-Explorer database. <i>Molecular Nutrition and Food Research</i> , <b>2016</b> , 60, 203-11	5.9	53

33	Co-administration of quercetin and catechin in rats alters their absorption but not their metabolism. <i>Life Sciences</i> , <b>2005</b> , 77, 3156-67	6.8	52
32	A Review of Factors Affecting Anthocyanin Bioavailability: Possible Implications for the Inter-Individual Variability. <i>Foods</i> , <b>2019</b> , 9,	4.9	52
31	A scheme for a flexible classification of dietary and health biomarkers. <i>Genes and Nutrition</i> , <b>2017</b> , 12, 34	4.3	49
30	Guidelines for Biomarker of Food Intake Reviews (BFIRev): how to conduct an extensive literature search for biomarker of food intake discovery. <i>Genes and Nutrition</i> , <b>2018</b> , 13, 3	4.3	47
29	Molecular mechanism of hesperetin-7-O-glucuronide, the main circulating metabolite of hesperidin, involved in osteoblast differentiation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 668-75	5.7	42
28	Recommendations for standardizing nomenclature for dietary (poly)phenol catabolites. <i>American Journal of Clinical Nutrition</i> , <b>2020</b> , 112, 1051-1068	7	35
27	Absorption and Metabolism of Dietary Plant Secondary Metabolites	303-351	34
26	Tissue distribution of isoflavones in ewes after consumption of red clover silage. <i>Archives of Biochemistry and Biophysics</i> , <b>2008</b> , 476, 205-10	4.1	32
25	Food intake biomarkers for apple, pear, and stone fruit. <i>Genes and Nutrition</i> , <b>2018</b> , 13, 29	4.3	32
24	Procyanidins are not bioavailable in rats fed a single meal containing a grapeseed extract or the procyanidin dimer B3. <i>British Journal of Nutrition</i> , <b>2002</b> , 87, 299-306	3.6	25
23	Prediction of the wine polyphenol metabolic space: an application of the Phenol-Explorer database. <i>Molecular Nutrition and Food Research</i> , <b>2014</b> , 58, 466-77	5.9	22
22	Diet-Related Metabolites Associated with Cognitive Decline Revealed by Untargeted Metabolomics in a Prospective Cohort. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1900177	5.9	20
21	Future prospects for dissecting inter-individual variability in the absorption, distribution and elimination of plant bioactives of relevance for cardiometabolic endpoints. <i>European Journal of Nutrition</i> , <b>2019</b> , 58, 21-36	5.2	19
20	Orally administered isoflavones are present as glucuronides in the human prostate. <i>Nutrition and Cancer</i> , <b>2008</b> , 60, 461-8	2.8	18
19	Mammalian lignan formation in rats fed a wheat bran diet. <i>Journal of Agricultural and Food Chemistry</i> , <b>2002</b> , 50, 6222-6	5.7	18
18	Discovery and Validation of Banana Intake Biomarkers Using Untargeted Metabolomics in Human Intervention and Cross-sectional Studies. <i>Journal of Nutrition</i> , <b>2019</b> , 149, 1701-1713	4.1	17
17	Interlaboratory Coverage Test on Plant Food Bioactive Compounds and their Metabolites by Mass Spectrometry-Based Untargeted Metabolomics. <i>Metabolites</i> , <b>2018</b> , 8,	5.6	17
16	Why interindividual variation in response to consumption of plant food bioactives matters for future personalised nutrition. <i>Proceedings of the Nutrition Society</i> , <b>2020</b> , 79, 225-235	2.9	16

15	Influence of dietary antioxidants on polyphenol intestinal absorption and metabolism in rats. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 3541-6	5.7	15
14	Preparation and characterization of flavonoid metabolites present in biological samples. <i>Methods in Enzymology</i> , <b>2001</b> , 335, 115-21	1.7	13
13	High-throughput profiling of dietary polyphenols and their metabolites by HPLC-ESI-MS-MS in human urine. <i>BioFactors</i> , <b>2004</b> , 22, 241-3	6.1	11
12	Biomarkers of food intake for vegetables. <i>Genes and Nutrition</i> , <b>2018</b> , 13, 34	4.3	11
11	Metabolomic Changes after Coffee Consumption: New Paths on the Block. <i>Molecular Nutrition and Food Research</i> , <b>2021</b> , 65, e2000875	5.9	10
10	Development and validation of two new sensitive ELISAs for Hesperetin and Naringenin in biological fluids. <i>Food Chemistry</i> , <b>2010</b> , 118, 472-481	8.5	9
9	Diet-Related Metabolomic Signature of Long-Term Breast Cancer Risk Using Penalized Regression: An Exploratory Study in the SU.VI.MAX Cohort. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2020</b> , 29, 396-405	4	8
8	Food intake biomarkers for green leafy vegetables, bulb vegetables, and stem vegetables: a review. <i>Genes and Nutrition</i> , <b>2020</b> , 15, 7	4.3	7
7	Untargeted plasma metabolomic profiles associated with overall diet in women from the SU.VI.MAX cohort. <i>European Journal of Nutrition</i> , <b>2020</b> , 59, 3425-3439	5.2	6
6	Targeting the delivery of dietary plant bioactives to those who would benefit most: from science to practical applications. <i>European Journal of Nutrition</i> , <b>2019</b> , 58, 65-73	5.2	6
5	Food and Microbiota Metabolites Associate with Cognitive Decline in Older Subjects: A 12-Year Prospective Study. <i>Molecular Nutrition and Food Research</i> , <b>2021</b> , 65, e2100606	5.9	4
4	Apolipoprotein E and sex modulate fatty acid metabolism in a prospective observational study of cognitive decline.. <i>Alzheimers Research and Therapy</i> , <b>2022</b> , 14, 1	9	3
3	Caffeine Compromises Proliferation of Human Hippocampal Progenitor Cells. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 806	5.7	3
2	Monoterpenes: current knowledge on food source, metabolism, and health effects. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 1-38	11.5	1
1	Data sharing in PredRet for accurate prediction of retention time: Application to plant food bioactive compounds. <i>Food Chemistry</i> , <b>2021</b> , 357, 129757	8.5	1