Claudine Manach

List of Publications by Year
in descending order

88 papers	26,918 citations	25014 57 h-index	49868 87 g-index
88 all docs	88 docs citations	88 times ranked	29614 citing authors

#	Article	IF	Citations
1	Polyphenols: food sources and bioavailability. American Journal of Clinical Nutrition, 2004, 79, 727-747.	2.2	6,093
2	Bioavailability and bioefficacy of polyphenols in humans. I. Review of 97 bioavailability studies. American Journal of Clinical Nutrition, 2005, 81, 230S-242S.	2.2	3,389
3	HMDB 4.0: the human metabolome database for 2018. Nucleic Acids Research, 2018, 46, D608-D617.	6.5	2,805
4	Dietary Polyphenols and the Prevention of Diseases. Critical Reviews in Food Science and Nutrition, 2005, 45, 287-306.	5.4	2,299
5	Bioavailability and bioefficacy of polyphenols in humans. II. Review of 93 intervention studies. American Journal of Clinical Nutrition, 2005, 81, 243S-255S.	2.2	1,122
6	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-bat070.	1.4	590
7	Absorption and metabolism of polyphenols in the gut and impact on health. Biomedicine and Pharmacotherapy, 2002, 56, 276-282.	2.5	559
8	Polyphenols and prevention of cardiovascular diseases. Current Opinion in Lipidology, 2005, 16, 77-84.	1.2	519
9	Quercetin is recovered in human plasma as conjugated derivatives which retain antioxidant properties. FEBS Letters, 1998, 426, 331-336.	1.3	493
10	How should we assess the effects of exposure to dietary polyphenols in vitro?. American Journal of Clinical Nutrition, 2004, 80, 15-21.	2.2	443
11	The food metabolome: a window over dietary exposure. American Journal of Clinical Nutrition, 2014, 99, 1286-1308.	2.2	411
12	Invited Review. Free Radical Research, 2004, 38, 771-785.	1.5	381
13	Bioavailability of rutin and quercetin in rats. FEBS Letters, 1997, 409, 12-16.	1.3	373
14	Dietary intake of 337 polyphenols in French adults. American Journal of Clinical Nutrition, 2011, 93, 1220-1228.	2.2	351
15	Quercetin Metabolites In Plasma of Rats Fed Diets Containing Rutin or Quercetin. Journal of Nutrition, 1995, 125, 1911-1922.	1.3	273
16	BioTransformer: a comprehensive computational tool for small molecule metabolism prediction and metabolite identification. Journal of Cheminformatics, 2019, 11, 2.	2.8	269
17	Bioavailability of the flavanone naringenin and its glycosides in rats. American Journal of Physiology - Renal Physiology, 2000, 279, G1148-G1154.	1.6	251
18	Cranberries and Their Bioactive Constituents in Human Health. Advances in Nutrition, 2013, 4, 618-632.	2.9	233

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19	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, 461-467.	1.3	212
20	Chlorogenic Acid Is Absorbed in Its Intact Form in the Stomach of Rats. Journal of Nutrition, 2006, 136, 1192-1197.	1.3	200
21	Bioavailability, metabolism and physiological impact of 4-oxo-flavonoids. Nutrition Research, 1996, 16, 517-544.	1.3	196
22	Quercetin, but not Its Glycosides, Is Absorbed from the Rat Stomach. Journal of Agricultural and Food Chemistry, 2002, 50, 618-621.	2.4	192
23	Catechin Is Metabolized by Both the Small Intestine and Liver of Rats. Journal of Nutrition, 2001, 131, 1753-1757.	1.3	190
24	The complex links between dietary phytochemicals and human health deciphered by metabolomics. Molecular Nutrition and Food Research, 2009, 53, 1303-1315.	1.5	187
25	Anthocyanins Are Efficiently Absorbed from the Small Intestine in Rats. Journal of Nutrition, 2004, 134, 2275-2279.	1.3	184
26	Databases on Food Phytochemicals and Their Health-Promoting Effects. Journal of Agricultural and Food Chemistry, 2011, 59, 4331-4348.	2.4	183
27	Addressing the interâ€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.	1.5	179
28	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.	1.2	175
29	Citrus Flavanones: What Is Their Role in Cardiovascular Protection?. Journal of Agricultural and Food Chemistry, 2012, 60, 8809-8822.	2.4	175
30	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. Molecular Nutrition and Food Research, 2019, 63, e1800384.	1.5	173
31	Nutrition for the ageing brain: Towards evidence for an optimal diet. Ageing Research Reviews, 2017, 35, 222-240.	5.0	161
32	Quercetin 3-O-Î²-glucoside is better absorbed than other quercetin forms and is not present in rat plasma. Free Radical Research, 2000, 33, 667-676.	1.5	154
33	Absorption and metabolism of caffeic acid and chlorogenic acid in the small intestine of rats. British Journal of Nutrition, 2006, 96, 39-46.	1.2	151
34	Polyphenol levels in human urine after intake of six different polyphenol-rich beverages. British Journal of Nutrition, 2005, 94, 500-509.	1.2	150
35	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, 1645-1659.	1.8	147
36	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-bas031.	1.4	135

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37	Bioavailability of Phloretin and Phloridzin in Rats. Journal of Nutrition, 2001, 131, 3227-3230.	1.3	134
38	Urinary metabolites as biomarkers of polyphenol intake in humans: a systematic review. American Journal of Clinical Nutrition, 2010, 92, 801-809.	2.2	134
39	Plasma metabolites of quercetin and their antioxidant properties. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 275, R212-R219.	0.9	128
40	Comparison of the Intestinal Absorption of Quercetin, Phloretin and Their Glucosides in Rats. Journal of Nutrition, 2001, 131, 2109-2114.	1.3	124
41	Comparison of the bioavailability of quercetin and catechin in rats. Free Radical Biology and Medicine, 1999, 27, 1259-1266.	1.3	121
42	Untargeted Metabolomics as a Screening Tool for Estimating Compliance to a Dietary Pattern. Journal of Proteome Research, 2014, 13, 1405-1418.	1.8	121
43	Respective bioavailability of quercetin aglycone and its glycosides in a rat model. BioFactors, 2000, 12, 169-174.	2.6	117
44	A Review of Factors Affecting Anthocyanin Bioavailability: Possible Implications for the Inter-Individual Variability. Foods, 2020, 9, 2.	1.9	117
45	Can we trust untargeted metabolomics? Results of the metabo-ring initiative, a large-scale, multi-instrument inter-laboratory study. Metabolomics, 2015, 11, 807-821.	1.4	112
46	New Biomarkers of Coffee Consumption Identified by the Non-Targeted Metabolomic Profiling of Cohort Study Subjects. PLoS ONE, 2014, 9, e93474.	1.1	108
47	Dietary quercetin is recovered in rat plasma as conjugated derivatives of isorhamnetin and quercetin. Journal of Nutritional Biochemistry, 1996, 7, 375-380.	1.9	100
48	Binding of flavonoids to plasma proteins. Methods in Enzymology, 2001, 335, 319-333.	0.4	98
49	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.	0.4	93
50	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-G126.	1.6	89
51	Disposition of soy isoflavones in normal human breast tissue. American Journal of Clinical Nutrition, 2010, 91, 976-984.	2.2	86
52	Isoflavones and the prevention of breast and prostate cancer: new perspectives opened by nutrigenomics. British Journal of Nutrition, 2008, 99, ES78-ES108.	1.2	84
53	Discovery and validation of urinary exposure markers for different plant foods by untargeted metabolomics. Analytical and Bioanalytical Chemistry, 2014, 406, 1829-1844.	1.9	77
54	A scheme for a flexible classification of dietary and health biomarkers. Genes and Nutrition, 2017, 12, 34.	1.2	76

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55	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.	1.2	71
56	Systematic analysis of the polyphenol metabolome using the Phenolâ€Explorer database. Molecular Nutrition and Food Research, 2016, 60, 203-211.	1.5	67
57	Recommendations for standardizing nomenclature for dietary (poly)phenol catabolites. American Journal of Clinical Nutrition, 2020, 112, 1051-1068.	2.2	65
58	Co-administration of quercetin and catechin in rats alters their absorption but not their metabolism. Life Sciences, 2005, 77, 3156-3167.	2.0	54
59	Food intake biomarkers for apple, pear, and stone fruit. Genes and Nutrition, 2018, 13, 29.	1.2	51
60	Absorption and Metabolism of Dietary Plant Secondary Metabolites. , 0, , 303-351.		49
61	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, 668-675.	2.4	49
62	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.	1.2	47
63	Dietary and health biomarkersâ€"time for an update. Genes and Nutrition, 2017, 12, 24.	1.2	43
64	Dietâ€Related Metabolites Associated with Cognitive Decline Revealed by Untargeted Metabolomics in a Prospective Cohort. Molecular Nutrition and Food Research, 2019, 63, e1900177.	1.5	40
65	Tissue distribution of isoflavones in ewes after consumption of red clover silage. Archives of Biochemistry and Biophysics, 2008, 476, 205-210.	1.4	37
66	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.	0.4	36
67	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.	1.8	34
68	Apolipoprotein E and sex modulate fatty acid metabolism in a prospective observational study of cognitive decline. Alzheimer's Research and Therapy, 2022, 14, 1.	3.0	31
69	Discovery and Validation of Banana Intake Biomarkers Using Untargeted Metabolomics in Human Intervention and Cross-sectional Studies. Journal of Nutrition, 2019, 149, 1701-1713.	1.3	27
70	Orally Administered Isoflavones Are Present as Glucuronides in the Human Prostate. Nutrition and Cancer, 2008, 60, 461-468.	0.9	24
71	Prediction of the wine polyphenol metabolic space: An application of the <scp>P</scp>henolâ€<scp>E</scp>xplorer database. Molecular Nutrition and Food Research, 2014, 58, 466-477.	1.5	22
72	Food intake biomarkers for green leafy vegetables, bulb vegetables, and stem vegetables: a review. Genes and Nutrition, 2020, 15, 7.	1.2	22

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73	Biomarkers of food intake for Allium vegetables. Genes and Nutrition, 2018, 13, 34.	1.2	21
74	Mammalian Lignan Formation in Rats Fed a Wheat Bran Diet. Journal of Agricultural and Food Chemistry, 2002, 50, 6222-6226.	2.4	20
75	Influence of Dietary Antioxidants on Polyphenol Intestinal Absorption and Metabolism in Rats. Journal of Agricultural and Food Chemistry, 2006, 54, 3541-3546.	2.4	20
76	Interlaboratory Coverage Test on Plant Food Bioactive Compounds and their Metabolites by Mass Spectrometry-Based Untargeted Metabolomics. Metabolites, 2018, 8, 46.	1.3	20
77	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.	1.1	18
78	Food and Microbiota Metabolites Associate with Cognitive Decline in Older Subjects: A 12â€Year Prospective Study. Molecular Nutrition and Food Research, 2021, 65, e2100606.	1.5	17
79	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.	1.8	14
80	Preparation and characterization of flavonoid metabolites present in biological samples. Methods in Enzymology, 2001, 335, 115-121.	0.4	13
81	The serum metabolome mediates the concert of diet, exercise, and neurogenesis, determining the risk for cognitive decline and dementia. Alzheimer's and Dementia, 2022, 18, 654-675.	0.4	12
82	Data sharing in PredRet for accurate prediction of retention time: Application to plant food bioactive compounds. Food Chemistry, 2021, 357, 129757.	4.2	12
83	High-throughput profiling of dietary polyphenols and their metabolites by HPLC-ESI-MS-MS in human urine. BioFactors, 2004, 22, 241-243.	2.6	11
84	Development and validation of two new sensitive ELISAs for Hesperetin and Naringenin in biological fluids. Food Chemistry, 2010, 118, 472-481.	4.2	11
85	Caffeine Compromises Proliferation of Human Hippocampal Progenitor Cells. Frontiers in Cell and Developmental Biology, 2020, 8, 806.	1.8	11
86	Metabolomic Changes after Coffee Consumption: New Paths on the Block. Molecular Nutrition and Food Research, 2021, 65, 2000875.	1.5	11
87	Monoterpenes: current knowledge on food source, metabolism, and health effects. Critical Reviews in Food Science and Nutrition, 2023, 63, 1352-1389.	5.4	11
88	Untargeted plasma metabolomic profiles associated with overall diet in women from the SU.VI.MAX cohort. European Journal of Nutrition, 2020, 59, 3425-3439.	1.8	10