

Rafael Llorach

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.

81
papers

5,989
citations

44
h-index

77
g-index

85
ext. papers

6,603
ext. citations

5.7
avg, IF

5.44
L-index

#	Paper	IF	Citations
81	The 3-Year Effect of the Mediterranean Diet Intervention on Inflammatory Biomarkers Related to Cardiovascular Disease. <i>Biomedicines</i> , 2021 , 9,	4.8	3
80	Phytochemicals in Legumes: A Qualitative Reviewed Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 13486-13496	5.7	6
79	Comparative metabolite fingerprinting of legumes using LC-MS-based untargeted metabolomics. <i>Food Research International</i> , 2019 , 126, 108666	7	23
78	Phenyl-Valerolactones and phenylvaleric acids, the main colonic metabolites of flavan-3-ols: synthesis, analysis, bioavailability, and bioactivity. <i>Natural Product Reports</i> , 2019 , 36, 714-752	15.1	114
77	Biomarkers of cereal food intake. <i>Genes and Nutrition</i> , 2019 , 14, 28	4.3	19
76	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1800384	5.9	107
75	Non-targeted metabolomic biomarkers and metabolotypes of type 2 diabetes: A cross-sectional study of PREDIMED trial participants. <i>Diabetes and Metabolism</i> , 2019 , 45, 167-174	5.4	33
74	Interlaboratory Coverage Test on Plant Food Bioactive Compounds and their Metabolites by Mass Spectrometry-Based Untargeted Metabolomics. <i>Metabolites</i> , 2018 , 8,	5.6	17
73	Food intake biomarkers for apple, pear, and stone fruit. <i>Genes and Nutrition</i> , 2018 , 13, 29	4.3	32
72	Urinary H Nuclear Magnetic Resonance Metabolomic Fingerprinting Reveals Biomarkers of Pulse Consumption Related to Energy-Metabolism Modulation in a Subcohort from the PREDIMED study. <i>Journal of Proteome Research</i> , 2017 , 16, 1483-1491	5.6	12
71	Novel strategies for improving dietary exposure assessment: Multiple-data fusion is a more accurate measure than the traditional single-biomarker approach. <i>Trends in Food Science and Technology</i> , 2017 , 69, 220-229	15.3	24
70	Microbial metabolites are associated with a high adherence to a Mediterranean dietary pattern using a H-NMR-based untargeted metabolomics approach. <i>Journal of Nutritional Biochemistry</i> , 2017 , 48, 36-43	6.3	17
69	Clinical phenotype clustering in cardiovascular risk patients for the identification of responsive metabolotypes after red wine polyphenol intake. <i>Journal of Nutritional Biochemistry</i> , 2016 , 28, 114-20	6.3	44
68	Systematic analysis of the polyphenol metabolome using the Phenol-Explorer database. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 203-11	5.9	53
67	Metabolomic Approaches in the Study of Wine Benefits in Human Health 2016 , 293-317		0
66	Nutrimetabolomics fingerprinting to identify biomarkers of bread exposure in a free-living population from the PREDIMED study cohort. <i>Metabolomics</i> , 2015 , 11, 155-165	4.7	33
65	Metabolic fingerprint after acute and under sustained consumption of a functional beverage based on grape skin extract in healthy human subjects. <i>Food and Function</i> , 2015 , 6, 1288-98	6.1	22

64	A metabolomics-driven approach to predict cocoa product consumption by designing a multimetabolite biomarker model in free-living subjects from the PREDIMED study. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 212-20	5.9	41
63	New and vintage solutions to enhance the plasma metabolome coverage by LC-ESI-MS untargeted metabolomics: the not-so-simple process of method performance evaluation. <i>Analytical Chemistry</i> , 2015 , 87, 2639-47	7.8	31
62	Metabolomic pattern analysis after mediterranean diet intervention in a nondiabetic population: a 1- and 3-year follow-up in the PREDIMED study. <i>Journal of Proteome Research</i> , 2015 , 14, 531-40	5.6	76
61	An NMR metabolomics approach reveals a combined-biomarkers model in a wine interventional trial with validation in free-living individuals of the PREDIMED study. <i>Metabolomics</i> , 2015 , 11, 797-806	4.7	21
60	Peak aggregation as an innovative strategy for improving the predictive power of LC-MS metabolomic profiles. <i>Analytical Chemistry</i> , 2014 , 86, 2320-5	7.8	8
59	Novel multimetabolite prediction of walnut consumption by a urinary biomarker model in a free-living population: the PREDIMED study. <i>Journal of Proteome Research</i> , 2014 , 13, 3476-83	5.6	44
58	Emerging Applications of Metabolomics to Polyphenols and CVD Biomarker Discovery 2014 , 1025-1044		
57	Intensity drift removal in LC/MS metabolomics by common variance compensation. <i>Bioinformatics</i> , 2014 , 30, 2899-905	7.2	46
56	Urinary metabolomic fingerprinting after consumption of a probiotic strain in women with mastitis. <i>Pharmacological Research</i> , 2014 , 87, 160-5	10.2	25
55	Cocoa polyphenols and inflammatory markers of cardiovascular disease. <i>Nutrients</i> , 2014 , 6, 844-80	6.7	82
54	Discovery of human urinary biomarkers of aronia-citrus juice intake by HPLC-q-TOF-based metabolomic approach. <i>Electrophoresis</i> , 2014 , 35, 1599-606	3.6	18
53	An R package to analyse LC/MS metabolomic data: MAIT (Metabolite Automatic Identification Toolkit). <i>Bioinformatics</i> , 2014 , 30, 1937-9	7.2	55
52	Comparative analysis of sample preparation methods to handle the complexity of the blood fluid metabolome: when less is more. <i>Analytical Chemistry</i> , 2013 , 85, 341-8	7.8	104
51	Mediterranean diet and non enzymatic antioxidant capacity in the PREDIMED study: evidence for a mechanism of antioxidant tuning. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2013 , 23, 1167-74	4.5	80
50	Effects of red wine polyphenols and alcohol on glucose metabolism and the lipid profile: a randomized clinical trial. <i>Clinical Nutrition</i> , 2013 , 32, 200-6	5.9	135
49	Contribution of Bioactive Foods and Their Emerging Role in Immunomodulation, Inflammation, and Arthritis 2013 , 43-65		2
48	Metabolomic fingerprint in patients at high risk of cardiovascular disease by cocoa intervention. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 962-73	5.9	43
47	Gut and microbial resveratrol metabolite profiling after moderate long-term consumption of red wine versus dealcoholized red wine in humans by an optimized ultra-high-pressure liquid chromatography tandem mass spectrometry method. <i>Journal of Chromatography A</i> , 2012 , 1265, 105-13	4.5	47

46	Application of dietary phenolic biomarkers in epidemiology: past, present, and future. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 6648-57	5.7	34
45	(1)H-NMR-based metabolomic analysis of the effect of moderate wine consumption on subjects with cardiovascular risk factors. <i>Electrophoresis</i> , 2012 , 33, 2345-54	3.6	50
44	Virgin olive oil and nuts as key foods of the Mediterranean diet effects on inflammatory biomarkers related to atherosclerosis. <i>Pharmacological Research</i> , 2012 , 65, 577-83	10.2	151
43	Nutrimetabolomic strategies to develop new biomarkers of intake and health effects. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 8797-808	5.7	76
42	Differential effects of polyphenols and alcohol of red wine on the expression of adhesion molecules and inflammatory cytokines related to atherosclerosis: a randomized clinical trial. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 326-34	7	126
41	The Mediterranean diet pattern and its main components are associated with lower plasma concentrations of tumor necrosis factor receptor 60 in patients at high risk for cardiovascular disease. <i>Journal of Nutrition</i> , 2012 , 142, 1019-25	4.1	72
40	Dealcoholized red wine decreases systolic and diastolic blood pressure and increases plasma nitric oxide: short communication. <i>Circulation Research</i> , 2012 , 111, 1065-8	15.7	98
39	Soy isoflavones and cardiovascular disease epidemiological, clinical and -omics perspectives. <i>Current Pharmaceutical Biotechnology</i> , 2012 , 13, 624-31	2.6	54
38	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> , 2012 , 2012, bas031	5	105
37	Metabolomics unveils urinary changes in subjects with metabolic syndrome following 12-week nut consumption. <i>Journal of Proteome Research</i> , 2011 , 10, 5047-58	5.6	88
36	Comparison of 24-h volume and creatinine-corrected total urinary polyphenol as a biomarker of total dietary polyphenols in the Invecchiare InCHIANTI study. <i>Analytica Chimica Acta</i> , 2011 , 704, 110-5	6.6	54
35	Polyphenols and human health: a prospectus. <i>Critical Reviews in Food Science and Nutrition</i> , 2011 , 51, 524-46	11.5	241
34	Determination of resveratrol and piceid in beer matrices by solid-phase extraction and liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2011 , 1218, 698-705	4.5	39
33	Targeted analysis of conjugated and microbial-derived phenolic metabolites in human urine after consumption of an almond skin phenolic extract. <i>Journal of Nutrition</i> , 2010 , 140, 1799-807	4.1	20
32	Effect of milk on the urinary excretion of microbial phenolic acids after cocoa powder consumption in humans. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 4706-11	5.7	53
31	Almond (<i>Prunus dulcis</i> (Mill.) D.A. Webb) polyphenols: from chemical characterization to targeted analysis of phenolic metabolites in humans. <i>Archives of Biochemistry and Biophysics</i> , 2010 , 501, 124-33	4.1	36
30	Metabolomics study of human urinary metabolome modifications after intake of almond (<i>Prunus dulcis</i> (Mill.) D.A. Webb) skin polyphenols. <i>Journal of Proteome Research</i> , 2010 , 9, 5859-67	5.6	94
29	Insights into the metabolism and microbial biotransformation of dietary flavan-3-ols and the bioactivity of their metabolites. <i>Food and Function</i> , 2010 , 1, 233-53	6.1	436

28	Distribution of epicatechin metabolites in lymphoid tissues and testes of young rats with a cocoa-enriched diet. <i>British Journal of Nutrition</i> , 2010 , 103, 1393-7	3.6	29
27	Methodological aspects for metabolome visualization and characterization: a metabolomic evaluation of the 24 h evolution of human urine after cocoa powder consumption. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 51, 373-81	3.5	47
26	Resveratrol and Bioactive Flavonoids in Immune Function 2010 , 397-420		2
25	Effect of cocoa powder on the modulation of inflammatory biomarkers in patients at high risk of cardiovascular disease. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 1144-50	7	163
24	The complex links between dietary phytochemicals and human health deciphered by metabolomics. <i>Molecular Nutrition and Food Research</i> , 2009 , 53, 1303-15	5.9	167
23	Targeted metabolic profiling of phenolics in urine and plasma after regular consumption of cocoa by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2009 , 1216, 7258-67	4.5	142
22	An LC-MS-based metabolomics approach for exploring urinary metabolome modifications after cocoa consumption. <i>Journal of Proteome Research</i> , 2009 , 8, 5060-8	5.6	129
21	A liquid chromatography-quadrupole time-of-flight (LC-QTOF)-based metabolomic approach reveals new metabolic effects of catechin in rats fed high-fat diets. <i>Journal of Proteome Research</i> , 2008 , 7, 2388-98	5.6	62
20	Metabolomics provide new insight on the metabolism of dietary phytochemicals in rats. <i>Journal of Nutrition</i> , 2008 , 138, 1282-7	4.1	52
19	Characterisation of polyphenols and antioxidant properties of five lettuce varieties and escarole. <i>Food Chemistry</i> , 2008 , 108, 1028-38	8.5	358
18	Identification of new flavonoid glycosides and flavonoid profiles to characterize rocket leafy salads (<i>Eruca vesicaria</i> and <i>Diplotaxis tenuifolia</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 1356-63	5.7	53
17	Whole-grain and refined wheat flours show distinct metabolic profiles in rats as assessed by a ¹ H NMR-based metabolomic approach. <i>Journal of Nutrition</i> , 2007 , 137, 923-9	4.1	71
16	Controlled atmosphere preserves quality and phytonutrients in wild rocket (<i>Diplotaxis tenuifolia</i>). <i>Postharvest Biology and Technology</i> , 2006 , 40, 26-33	6.2	70
15	Phenolic compounds in external leaves of tronchuda cabbage (<i>Brassica oleracea</i> L. var. <i>costata</i> DC). <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 2901-7	5.7	77
14	"Zahraa", a Unani multicomponent herbal tea widely consumed in Syria: components of drug mixtures and alleged medicinal properties. <i>Journal of Ethnopharmacology</i> , 2005 , 102, 344-50	5	41
13	Understanding local Mediterranean diets: a multidisciplinary pharmacological and ethnobotanical approach. <i>Pharmacological Research</i> , 2005 , 52, 353-66	10.2	119
12	Functionalisation of commercial chicken soup with enriched polyphenol extract from vegetable by-products. <i>European Food Research and Technology</i> , 2005 , 220, 31-36	3.4	17
11	Characterisation of the phenolic profile of <i>Boerhaavia diffusa</i> L. by HPLC-PAD-MS/MS as a tool for quality control. <i>Phytochemical Analysis</i> , 2005 , 16, 451-8	3.4	34

10	Hypochlorous acid scavenging properties of local Mediterranean plant foods. <i>Lipids</i> , 2004 , 39, 1239-47	1.6	22
9	Characterization of the interglycosidic linkage in di-, tri-, tetra- and pentaglycosylated flavonoids and differentiation of positional isomers by liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2004 , 39, 312-21	2.2	223
8	Lettuce and chicory byproducts as a source of antioxidant phenolic extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 5109-16	5.7	127
7	Evaluation of the bioavailability and metabolism in the rat of punicalagin, an antioxidant polyphenol from pomegranate juice. <i>European Journal of Nutrition</i> , 2003 , 42, 18-28	5.2	265
6	HPLC-DAD-MS/MS ESI characterization of unusual highly glycosylated acylated flavonoids from cauliflower (<i>Brassica oleracea</i> L. var. <i>botrytis</i>) agroindustrial byproducts. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 3895-9	5.7	128
5	Valorization of cauliflower (<i>Brassica oleracea</i> L. var. <i>botrytis</i>) by-products as a source of antioxidant phenolics. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 2181-7	5.7	105
4	Increase of Antioxidant Activity of Tomato Juice Upon Functionalisation with Vegetable Byproduct Extracts. <i>LWT - Food Science and Technology</i> , 2002 , 35, 532-542	5.4	40
3	Artichoke (<i>Cynara scolymus</i> L.) byproducts as a potential source of health-promoting antioxidant phenolics. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 3458-64	5.7	188
2	Systematics of the high mountain taxa of the genus <i>Sideritis</i> L. section <i>Sideritis</i> , subsection <i>Fruticulosae</i> Obř & D. Rivera (Lamiaceae). <i>Botanical Journal of the Linnean Society</i> , 1999 , 129, 249-265	2.2	1
1	Phenolic Compounds: Chemistry and Occurrence in Fruits and Vegetables	53-88	6