Olga Jauregui

List of Publications by Citations

77 papers	4,355 citations	38 h-index	65 g-index
79 ext. papers	4,838 ext. citations	5 avg, IF	5.13 L-index

#	Paper	IF	Citations
77	Anthocyanins in aged blueberry-fed rats are found centrally and may enhance memory. *Nutritional Neuroscience*, **2005**, 8, 111-20	3.6	420
76	Liquid chromatographic/electrospray ionization tandem mass spectrometric study of the phenolic composition of cocoa (Theobroma cacao). *Journal of Mass Spectrometry*, **2003**, 38, 35-42	2.2	325
75	Separation and characterization of phenolic compounds in fennel (Foeniculum vulgare) using liquid chromatography-negative electrospray ionization tandem mass spectrometry. *Journal of Agricultural and Food Chemistry*, **2004**, 52, 3679-87	5.7	161
74	Characterization and quantification of phenolic compounds in olive oils by solid-phase extraction, HPLC-DAD, and HPLC-MS/MS. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 4331-40	5.7	146
73	Targeted metabolic profiling of phenolics in urine and plasma after regular consumption of cocoa by liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2009**, 1216, 7258-67	4.5	142
72	Improved characterization of tomato polyphenols using liquid chromatography/electrospray ionization linear ion trap quadrupole Orbitrap mass spectrometry and liquid chromatography/electrospray ionization tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2010**, 24, 2986-92	2.2	134
71	An LC-MS-based metabolomics approach for exploring urinary metabolome modifications after cocoa consumption. *Journal of Proteome Research*, **2009**, 8, 5060-8	5.6	129
70	A comprehensive characterisation of beer polyphenols by high resolution mass spectrometry (LC-ESI-LTQ-Orbitrap-MS). *Food Chemistry*, **2015**, 169, 336-43	8.5	124
69	Identification of phenolic compounds in artichoke waste by high-performance liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2003**, 1008, 57-72	4.5	122
68	Qualitative analysis of phenolic compounds in apple pomace using liquid chromatography coupled to mass spectrometry in tandem mode. *Rapid Communications in Mass Spectrometry*, **2004**, 18, 553-63	2.2	121
67	Uptake of diet resveratrol into the human low-density lipoprotein. Identification and quantification of resveratrol metabolites by liquid chromatography coupled with tandem mass spectrometry. *Analytical Chemistry*, **2005**, 77, 3149-55	7.8	117
66	Simultaneous quantitative LC-ESI-MS/MS analyses of salicylic acid and jasmonic acid in crude extracts of Cucumis sativus under biotic stress. *Phytochemistry*, **2006**, 67, 395-401	4	116
65	Liquid chromatography with mass spectrometry in tandem mode applied for the identification of wine markers in residues from ancient Egyptian vessels. *Analytical Chemistry*, **2004**, 76, 1672-7	7.8	99
64	Determination of phenols in sea water by liquid chromatography with electrochemical detection after enrichment by using solid-phase extraction cartridges and disks. *Analytica Chimica Acta*, **1995**, 304, 75-84	6.6	96
63	Phenolic profiling of the skin, pulp and seeds of Albariño grapes using hybrid quadrupole time-of-flight and triple-quadrupole mass spectrometry. *Food Chemistry*, **2014**, 145, 874-82	8.5	89
62	Metabolomics unveils urinary changes in subjects with metabolic syndrome following 12-week nut consumption. *Journal of Proteome Research*, **2011**, 10, 5047-58	5.6	88
61	HPLC-tandem mass spectrometric method to characterize resveratrol metabolism in humans. *Clinical Chemistry*, **2007**, 53, 292-9	5.5	86

60	Phenolic profile and hydrophilic antioxidant capacity as chemotaxonomic markers of tomato varieties. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 3994-4001	5.7	83
59	Elevated circulating LDL phenol levels in men who consumed virgin rather than refined olive oil are associated with less oxidation of plasma LDL. *Journal of Nutrition*, **2010**, 140, 501-8	4.1	83
58	Screening of the polyphenol content of tomato-based products through accurate-mass spectrometry (HPLC-ESI-QTOF). *Food Chemistry*, **2011**, 129, 877-83	8.5	77
57	Rapid liquid chromatography tandem mass spectrometry assay to quantify plasma (-)-epicatechin metabolites after ingestion of a standard portion of cocoa beverage in humans. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 6190-4	5.7	73
56	Characterization of acylated flavonoid-O-glycosides and methoxylated flavonoids from Tagetes maxima by liquid chromatography coupled to electrospray ionization tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2004**, 18, 2801-10	2.2	64
55	Enhanced determination of abscisic acid (ABA) and abscisic acid glucose ester (ABA-GE) in Cistus albidus plants by liquid chromatography-mass spectrometry in tandem mode. *Plant Physiology and Biochemistry*, **2009**, 47, 256-61	5.4	61
54	Presence of virgin olive oil phenolic metabolites in human low density lipoprotein fraction: determination by high-performance liquid chromatography-electrospray ionization tandem mass spectrometry. *Analytica Chimica Acta*, **2007**, 583, 402-10	6.6	59
53	Urolithins are the main urinary microbial-derived phenolic metabolites discriminating a moderate consumption of nuts in free-living subjects with diagnosed metabolic syndrome. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 8930-40	5.7	58
52	Evaluation of a method to characterize the phenolic profile of organic and conventional tomatoes. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 3373-80	5.7	56
51	A rapid method for analysis of abscisic acid (ABA) in crude extracts of water stressed Arabidopsis thaliana plants by liquid chromatography--mass spectrometry in tandem mode. *Plant Physiology and Biochemistry*, **2005**, 43, 407-11	5.4	56
50	Antioxidant activity and phenolic composition of Lavandin (Lavandula x intermedia Emeric ex Loiseleur) waste. *Journal of Agricultural and Food Chemistry*, **2007**, 55, 8436-43	5.7	53
49	Detection and quantification of unbound phytochelatin 2 in plant extracts of Brassica napus grown with different levels of mercury. *Plant Physiology*, **2006**, 142, 742-9	6.6	53
48	First evidence of white wine in ancient Egypt from Tutankhamun's tomb. *Journal of Archaeological Science*, **2006**, 33, 1075-1080	2.9	53
47	Separation and characterization of phenolic compounds in argan fruit pulp using liquid chromatography□negative electrospray ionization tandem mass spectroscopy. *Food Chemistry*, **2007**, 100, 1398-1401	8.5	52
46	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. *Journal of Chromatography A*, **2012**, 1265, 105-13	4.5	47
45	A new LC/MS/MS rapid and sensitive method for the determination of green tea catechins and their metabolites in biological samples. *Journal of Agricultural and Food Chemistry*, **2007**, 55, 8857-63	5.7	46
44	Comprehensive liquid chromatography-ion-spray tandem mass spectrometry method for the identification and quantification of eight hydroxylated brominated diphenyl ethers in environmental matrices. *Journal of Mass Spectrometry*, **2007**, 42, 890-9	2.2	45
43	Analysis of phenolic compounds by high-performance liquid chromatography coupled to electrospray ionization tandem mass spectrometry in senescent and water-stressed tobacco. *Plant Science*, **2012**, 182, 71-8	5.3	44

42	Metabolic profiling of bioactive Pancratium canariense extracts by GC-MS. *Phytochemical Analysis*, **2010**, 21, 80-8	3.4	44
41	A metabolomics-driven approach to predict cocoa product consumption by designing a multimetabolite biomarker model in free-living subjects from the PREDIMED study. *Molecular Nutrition and Food Research*, **2015**, 59, 212-20	5.9	41
40	Bioavailability of tomato polyphenols is enhanced by processing and fat addition: Evidence from a randomized feeding trial. *Molecular Nutrition and Food Research*, **2016**, 60, 1578-89	5.9	41
39	The origin of the ancient Egyptian drink Shedeh revealed using LC/MS/MS. *Journal of Archaeological Science*, **2006**, 33, 98-101	2.9	37
38	Absorption and pharmacokinetics of grapefruit flavanones in beagles. *British Journal of Nutrition*, **2007**, 98, 86-92	3.6	36
37	Effect of n-3 PUFA supplementation at different EPA:DHA ratios on the spontaneously hypertensive obese rat model of the metabolic syndrome. *British Journal of Nutrition*, **2015**, 113, 878-87	3.6	35
36	High-resolution liquid chromatography/electrospray ionization time-of-flight mass spectrometry combined with liquid chromatography/electrospray ionization tandem mass spectrometry to identify polyphenols from grape antioxidant dietary fiber. *Rapid Communications in Mass Spectrometry*, **2008**, 22, 3489-500	2.2	34
35	Investigation of Lepechinia graveolens for its antioxidant activity and phenolic composition. *Journal of Ethnopharmacology*, **2004**, 94, 175-84	5	33
34	Mechanistically different effects of fat and sugar on insulin resistance, hypertension, and gut microbiota in rats. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 314, E552-E563	6	31
33	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. *Analytical Chemistry*, **2015**, 87, 2639-47	7.8	31
32	Rapid high-performance liquid chromatography-electrospray ionization tandem mass spectrometry method for qualitative and quantitative analysis of virgin olive oil phenolic metabolites in human low-density lipoproteins. *Journal of Chromatography A*, **2006**, 1116, 69-75	4.5	31
31	Rapid simultaneous analysis of cyclooxygenase, lipoxygenase and cytochrome P-450 metabolites of arachidonic and linoleic acids using high performance liquid chromatography/mass spectrometry in tandem mode. *Journal of Pharmaceutical and Biomedical Analysis*, **2011**, 56, 976-82	3.5	30
30	Liquid chromatography-tandem mass spectrometry analysis of eicosanoids and related compounds in cell models. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2014**, 964, 41-9	3.2	27
29	Characterization of complex lipid mixtures in contaminant exposed JEG-3 cells using liquid chromatography and high-resolution mass spectrometry. *Environmental Science and Pollution Research*, **2014**, 21, 11907-16	5.1	24
28	A new LC-ESI-MS/MS method to measure long-chain acylcarnitine levels in cultured cells. *Analytica Chimica Acta*, **2007**, 599, 1-6	6.6	22
27	Quantitative Dietary Fingerprinting (QDF)-A Novel Tool for Comprehensive Dietary Assessment Based on Urinary Nutrimetabolomics. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 1851-1861	5.7	22
26	Absorption and pharmacokinetics of green tea catechins in beagles. *British Journal of Nutrition*, **2008**, 100, 496-502	3.6	21
25	Quantifying the human diet in the crosstalk between nutrition and health by multi-targeted metabolomics of food and microbiota-derived metabolites. *International Journal of Obesity*, **2020**, 44, 2372-2381	5.5	18

24	Discovery of human urinary biomarkers of aronia-citrus juice intake by HPLC-q-TOF-based metabolomic approach. *Electrophoresis*, **2014**, 35, 1599-606	3.6	18
23	New carrier electrolytes for the separation of chlorophenols by capillary electrophoresis. *Electrophoresis*, **2000**, 21, 611-8	3.6	18
22	Analytical condition setting a crucial step in the quantification of unstable polyphenols in acidic conditions: analyzing prenylflavanoids in biological samples by liquid chromatography-electrospray ionization triple quadruple mass spectrometry. *Analytical Chemistry*, **2013**, 85, 5547-54	7.8	16
21	Urinary isoxanthohumol is a specific and accurate biomarker of beer consumption. *Journal of Nutrition*, **2014**, 144, 484-8	4.1	15
20	Alteration of cellular lipids and lipid metabolism markers in RTL-W1 cells exposed to model endocrine disrupters. *Aquatic Toxicology*, **2015**, 165, 277-85	5.1	14
19	Untargeted Profiling of Concordant/Discordant Phenotypes of High Insulin Resistance and Obesity To Predict the Risk of Developing Diabetes. *Journal of Proteome Research*, **2018**, 17, 2307-2317	5.6	14
18	Quantification of intracellular phosphorylated carbohydrates in HT29 human colon adenocarcinoma cell line using liquid chromatography-electrospray ionization tandem mass spectrometry. *Analytical Chemistry*, **2007**, 79, 5000-5	7.8	14
17	Characterization of the Human Exposome by a Comprehensive and Quantitative Large-Scale Multianalyte Metabolomics Platform. *Analytical Chemistry*, **2020**, 92, 13767-13775	7.8	13
16	D-Fagomine attenuates metabolic alterations induced by a high-energy-dense diet in rats. *Food and Function*, **2015**, 6, 2614-9	6.1	12
15	Metabotypes of response to bariatric surgery independent of the magnitude of weight loss. *PLoS ONE*, **2018**, 13, e0198214	3.7	10
14	Characterization of Metabolomic Profile Associated with Metabolic Improvement after Bariatric Surgery in Subjects with Morbid Obesity. *Journal of Proteome Research*, **2018**, 17, 2704-2714	5.6	9
13	Sensitive and Rapid UHPLC-MS/MS for the Analysis of Tomato Phenolics in Human Biological Samples. *Molecules*, **2015**, 20, 20409-25	4.8	9
12	Metabolomics Technologies for the Identification and Quantification of Dietary Phenolic Compound Metabolites: An Overview. *Antioxidants*, **2021**, 10,	7.1	9
11	Tissue Distribution of Oleocanthal and Its Metabolites after Oral Ingestion in Rats. *Antioxidants*, **2021**, 10,	7.1	7
10	Total Analysis of the Major Secoiridoids in Extra Virgin Olive Oil: Validation of an UHPLC-ESI-MS/MS Method. *Antioxidants*, **2021**, 10,	7.1	6
9	A discovery-driven approach to elucidate urinary metabolome changes after a regular and moderate consumption of beer and nonalcoholic beer in subjects at high cardiovascular risk. *Molecular Nutrition and Food Research*, **2017**, 61, 1600980	5.9	5
8	Improved Characterization of Polyphenols Using Liquid Chromatography **2014**, 261-292		5
7	Chapter 6 Phenols. *Handbook of Analytical Separations*, **2001**, 3, 175-236	0.7	5

6	Chronic adenosine A receptor blockade induces locomotor sensitization and potentiates striatal LTD IN GPR37-deficient mice. *Journal of Neurochemistry*, **2019**, 148, 796-809	6	5
5	Absorption and metabolization of cytoprotective epicatechin thio conjugates in rats. *Drug Metabolism and Disposition*, **2010**, 38, 2188-94	4	4
4	Optimization of a liquid chromatography-tandem mass spectrometry method for the quantification of traces of taxanes in a Corylus avellana cell suspension medium. *RSC Advances*, **2015**, 5, 17976-17983	3.7	3
3	Phytohormone Profiling Method for Rice: Effects of Mutation on the Gibberellin Content of Japonica Rice Varieties. *Frontiers in Plant Science*, **2019**, 10, 733	6.2	3
2	Inhibition of Tryptophan Hydroxylases and Monoamine Oxidase-A by the Proton Pump Inhibitor, Omeprazole- and Investigations. *Frontiers in Pharmacology*, **2020**, 11, 593416	5.6	2
1	A Response to L Drieu et al., 2020, Is It Possible to Identify Ancient Wine Production Using Biomolecular Approaches? (STAR: Science & Technology of Archaeological Research, DOI:10.1080/20548923.2020.1738728). *Science and Technology of Archaeological Research*, **2021**, 7, 43-48	1.2	1