Diego GarcÃ-a-GÃ³mez

List of Publications by Year
in descending order

50 papers	1,420 citations	304368 22 h-index	344852 36 g-index

51 all docs	51 docs citations	51 times ranked	2092 citing authors

#	Article	IF	Citations
1	Evidence of altered phosphatidylcholine metabolism in Alzheimer's disease. Neurobiology of Aging, 2014, 35, 271-278.	1.5	256
2	Stationary phases for separation of nucleosides and nucleotides by hydrophilic interaction liquid chromatography. TrAC - Trends in Analytical Chemistry, 2013, 47, 111-128.	5.8	77
3	Capillary electrophoresis coupled to mass spectrometry for the determination of anthelmintic benzimidazoles in eggs using a QuEChERS with preconcentration as sample treatment. Journal of Chromatography A, 2013, 1278, 166-174.	1.8	70
4	Expanding metabolite coverage of real-time breath analysis by coupling a universal secondary electrospray ionization source and high resolution mass spectrometryâ€"a pilot study on tobacco smokers. Journal of Breath Research, 2016, 10, 016010.	1.5	58
5	Development and validation of a hydrophilic interaction chromatographyâ€"tandem mass spectrometry method with on-line polar extraction for the analysis of urinary nucleosides. Potential application in clinical diagnosis. Journal of Chromatography A, 2011, 1218, 9055-9063.	1.8	54
6	Effects of CPAP therapy withdrawal on exhaled breath pattern in obstructive sleep apnoea. Thorax, 2016, 71, 110-117.	2.7	51
7	Identification of 2-Alkenals, 4-Hydroxy-2-alkenals, and 4-Hydroxy-2,6-alkadienals in Exhaled Breath Condensate by UHPLC-HRMS and in Breath by Real-Time HRMS. Analytical Chemistry, 2015, 87, 3087-3093.	3.2	49
8	SUPRAS extraction approach for matrix-independent determination of amphetamine-type stimulants by LC-MS/MS. Talanta, 2018, 182, 574-582.	2.9	46
9	Real-time mass spectrometric identification of metabolites characteristic of chronic obstructive pulmonary disease in exhaled breath. Clinical Mass Spectrometry, 2018, 7, 29-35.	1.9	46
10	Multifunctional green supramolecular solvents for cost-effective production of highly stable astaxanthin-rich formulations from Haematococcus pluvialis. Food Chemistry, 2019, 279, 294-302.	4.2	43
11	Real-Time Quantification of Amino Acids in the Exhalome by Secondary Electrospray Ionizationâ€"Mass Spectrometry: A Proof-of-Principle Study. Clinical Chemistry, 2016, 62, 1230-1237.	1.5	36
12	Determination of nucleosides and nucleotides in food samples by using liquid chromatography and capillary electrophoresis. TrAC - Trends in Analytical Chemistry, 2017, 92, 12-31.	5.8	36
13	Hydrophilic interaction chromatography coupled to tandem mass spectrometry in the presence of hydrophilic ion-pairing reagents for the separation of nucleosides and nucleotide mono-, di- and triphosphates. Journal of Chromatography A, 2015, 1414, 129-137.	1.8	34
14	Comprehensive Real-Time Analysis of the Yeast Volatilome. Scientific Reports, 2017, 7, 14236.	1.6	34
15	Detection and Quantification of Benzothiazoles in Exhaled Breath and Exhaled Breath Condensate by Real-Time Secondary Electrospray Ionizationâ€"High-Resolution Mass Spectrometry and Ultra-High Performance Liquid Chromatography. Environmental Science & Technology, 2015, 49, 12519-12524.	4.6	30
16	Study of retention behaviour and mass spectrometry compatibility in zwitterionic hydrophilic interaction chromatography for the separation of modified nucleosides and nucleobases. Journal of Chromatography A, 2011, 1218, 3994-4001.	1.8	29
17	Differentiation of oral bacteria in in vitro cultures and human saliva by secondary electrospray ionization â€" mass spectrometry. Scientific Reports, 2015, 5, 15163.	1.6	28
18	Analysis of free nucleotide monophosphates in human milk and effect of pasteurisation or high-pressure processing on their contents by capillary electrophoresis coupled to mass spectrometry. Food Chemistry, 2015, 174, 348-355.	4.2	28

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19	Secondary electrospray ionization coupled to high-resolution mass spectrometry reveals tryptophan pathway metabolites in exhaled human breath. Chemical Communications, 2016, 52, 8526-8528.	2.2	25
20	Capturing in Vivo Plant Metabolism by Real-Time Analysis of Low to High Molecular Weight Volatiles. Analytical Chemistry, 2016, 88, 2406-2412.	3.2	25
21	Capillary electrophoresisâ€“mass spectrometry for direct determination of urinary modified nucleosides. Evaluation of synthetic urine as a surrogate matrix for quantitative analysis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 942-943, 21-30.	1.2	24
22	Realâ€Time Chemical Analysis of Eâ€Cigarette Aerosols By Means Of Secondary Electrospray Ionization Mass Spectrometry. Chemistry - A European Journal, 2016, 22, 2452-2457.	1.7	24
23	Determination of endocrine disruptors in honey by CZEâ€MS using restricted access materials for matrix cleanup. Electrophoresis, 2010, 31, 2279-2288.	1.3	23
24	A confirmatory method for the determination of phenolic endocrine disruptors in honey using restricted-access materialâ€“liquid chromatographyâ€“tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2010, 398, 1239-1247.	1.9	21
25	A fast and reliable method for the quantitative determination of benzimidazoles and metabolites in milk by LC-MS/MS with on-line sample treatment. Analytical and Bioanalytical Chemistry, 2012, 404, 2909-2914.	1.9	21
26	Real-time exhaled breath analysis in patients with cystic fibrosis and controls. Journal of Breath Research, 2018, 12, 036013.	1.5	21
27	Determination of nucleosides and nucleotides in baby foods by hydrophilic interaction chromatography coupled to tandem mass spectrometry in the presence of hydrophilic ion-pairing reagents. Food Chemistry, 2016, 211, 827-835.	4.2	20
28	A validated method for the determination of nucleotides in infant formulas by capillary electrophoresis coupled to mass spectrometry. Electrophoresis, 2014, 35, 1677-1684.	1.3	19
29	Real-Time High-Resolution Tandem Mass Spectrometry Identifies Furan Derivatives in Exhaled Breath. Analytical Chemistry, 2015, 87, 6919-6924.	3.2	19
30	Development, validation and application of a fast analytical methodology for the simultaneous determination of DNA- and RNA-derived urinary nucleosides by liquid chromatography coupled to tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1019, 132-139.	1.2	17
31	A high thermally stable oligomer-based supramolecular solvent for universal headspace Gas Chromatography: Proof-of-principle determination of residual solvents in drugs. Analytica Chimica Acta, 2019, 1046, 132-139.	2.6	17
32	A new sample treatment strategy based on simultaneous supramolecular solvent and dispersive solid-phase extraction for the determination of ionophore coccidiostats in all legislated foodstuffs. Food Chemistry, 2020, 326, 126987.	4.2	17
33	Personalised therapeutic management of epileptic patients guided by pathway-driven breath metabolomics. Communications Medicine, 2021, 1, .	1.9	16
34	Development and validation of a method for the detection and confirmation of biomarkers of exposure in human urine by means of restricted access material-liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2010, 1217, 40-48.	1.8	15
35	Development of a procedure for the isolation and enrichment of modified nucleosides and nucleobases from urine prior to their determination by capillary electrophoresisâ€“mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2014, 88, 489-496.	1.4	14
36	Rapid fingerprinting of grape volatile composition using secondary electrospray ionization orbitrap mass spectrometry: A preliminary study of grape ripening. Food Control, 2017, 81, 107-112.	2.8	14

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37	Restricted Access Volatile Supramolecular Solvents for Single-Step Extraction/Cleanup of Benzimidazole Anthelmintic Drugs in Milk Prior to LC-MS/MS. Journal of Agricultural and Food Chemistry, 2019, 67, 520-530.	2.4	14
38	Multicore Magnetic Nanoparticles Coated with Oligomeric Micelles: Characterization and Potential for the Extraction of Contaminants over a Wide Polarity Range. Analytical Chemistry, 2017, 89, 1353-1361.	3.2	12
39	Exploring polar hydrophobicity in organized media for extracting oligopeptides: application to the extraction of opiorphin in human saliva. Journal of Chromatography A, 2021, 1635, 461777.	1.8	10
40	Automated sample treatment with the injection of large sample volumes for the determination of contaminants and metabolites in urine. Journal of Separation Science, 2010, 33, 2240-2249.	1.3	9
41	Design and development of a twoâ€dimensional system based on hydrophilic and reversedâ€phase liquid chromatography with onâ€line sample treatment for the simultaneous separation of excreted xenobiotics and endogenous metabolites in urine. Biomedical Chromatography, 2015, 29, 1190-1196.	0.8	6
42	Real-time pharmacokinetics via online analysis of exhaled breath. Journal of Pharmaceutical and Biomedical Analysis, 2021, 205, 114311.	1.4	6
43	Anthelmintic Benzimidazoles in Eggs. , 2017, , 465-474.		2
44	LC-HRMS based on mixed-mode chromatography for the separation of teicoplanin and the unravelment of its composition. Journal of Pharmaceutical and Biomedical Analysis, 2020, 186, 113308.	1.4	2
45	Evaluation of the Electrostatic Contribution to the Retention of Modified Nucleosides and Nucleobases by Zwitterionic Hydrophilic Interaction Chromatography. , 2012, 2012, 1-5.		1
46	P205 Real-time exhaled breath analysis identifies altered metabolic signature in cystic fibrosis. Chest, 2017, 151, A104.	0.4	1
47	Real Time Read-Out of Plant Metabolism. Chimia, 2016, 70, 660-660.	0.3	0
48	Hydrophilic Interaction Chromatography: Current Trends and Applications. , 2018, , 100-100.		0
49	The effect of CPAP withdrawal on exhaled breath in OSA â€“ A randomised controlled trial. , 2015, , .		0
50	Real-time determination of slightly volatile amino acids in the exhalome by secondary electrospray ionization. A proof-of-principle study. , 2016, , .		0