MÃ³nica CalderÃ³n-Santiago

List of Publications by Year
in descending order

47 papers	1,038 citations	331670 21 h-index	454955 30 g-index
47 all docs	47 docs citations	47 times ranked	1910 citing authors

#	Article	IF	Citations
1	Human sweat metabolomics for lung cancer screening. Analytical and Bioanalytical Chemistry, 2015, 407, 5381-5392.	3.7	90
2	Optimization study for metabolomics analysis of human sweat by liquid chromatographyâ€“tandem mass spectrometry in high resolution mode. Journal of Chromatography A, 2014, 1333, 70-78.	3.7	63
3	Metabolomics analysis of human sweat collected after moderate exercise. Talanta, 2018, 177, 47-65.	5.5	46
4	Study of sample preparation for quantitative analysis of amino acids in human sweat by liquid chromatographyâ€“tandem mass spectrometry. Talanta, 2016, 146, 310-317.	5.5	44
5	Influence of the collection tube on metabolomic changes in serum and plasma. Talanta, 2016, 150, 681-689.	5.5	42
6	Metabolomic profiling of human lung tumor tissues â€“ nucleotide metabolism as a candidate for therapeutic interventions and biomarkers. Molecular Oncology, 2018, 12, 1778-1796.	4.6	42
7	Enhanced Detection and Identification in Metabolomics by Use of LCâ€“MS/MS Untargeted Analysis in Combination with Gas-Phase Fractionation. Analytical Chemistry, 2014, 86, 7558-7565.	6.5	39
8	Development of a method for enhancing metabolomics coverage of human sweat by gas chromatographyâ€“mass spectrometry in high resolution mode. Analytica Chimica Acta, 2016, 905, 115-125.	5.4	39
9	Study of exhaled breath condensate sample preparation for metabolomics analysis by LCâ€“MS/MS in high resolution mode. Talanta, 2015, 144, 1360-1369.	5.5	34
10	Identification of metabolomics panels for potential lung cancer screening by analysis of exhaled breath condensate. Journal of Breath Research, 2016, 10, 026002.	3.0	33
11	Study of sample preparation for determination of endocannabinoids and analogous compounds in human serum by LCâ€“MS/MS in MRM mode. Talanta, 2018, 185, 602-610.	5.5	33
12	Development of a method for metabolomic analysis of human exhaled breath condensate by gas chromatographyâ€“mass spectrometry in high resolution mode. Analytica Chimica Acta, 2015, 887, 118-126.	5.4	32
13	Influence of sample preparation on lipidomics analysis of polar lipids in adipose tissue. Talanta, 2018, 177, 86-93.	5.5	32
14	Prostate Cancer Patientsâ€“Negative Biopsy Controls Discrimination by Untargeted Metabolomics Analysis of Urine by LC-QTOF: Upstream Information on Other Omics. Scientific Reports, 2016, 6, 38243.	3.3	29
15	Determination of essential amino acids in human serum by a targeting method based on automated SPEâ€“LCâ€“MS/MS: Discrimination between artherosclerotic patients. Journal of Pharmaceutical and Biomedical Analysis, 2012, 70, 476-484.	2.8	27
16	Method based on GCâ€“MS to study the influence of tricarboxylic acid cycle metabolites on cardiovascular risk factors. Journal of Pharmaceutical and Biomedical Analysis, 2013, 74, 178-185.	2.8	27
17	Recent advances in human sweat metabolomics for lung cancer screening. Metabolomics, 2016, 12, 1.	3.0	25
18	MSCombine: a tool for merging untargeted metabolomic data from high-resolution mass spectrometry in the positive and negative ionization modes. Metabolomics, 2016, 12, 1.	3.0	25

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19	Analysis of serum phospholipid profiles by liquid chromatographyâ€“tandem mass spectrometry in high resolution mode for evaluation of atherosclerotic patients. Journal of Chromatography A, 2014, 1371, 154-162.	3.7	23
20	Metabolomics analysis of exhaled breath condensate for discrimination between lung cancer patients and risk factor individuals. Journal of Breath Research, 2016, 10, 016011.	3.0	23
21	MetaboQC: A tool for correcting untargeted metabolomics data with mass spectrometry detection using quality controls. Talanta, 2017, 174, 29-37.	5.5	23
22	Integrated proteomic and metabolomic analysis reveals that rhodomyrtone reduces the capsule in Streptococcus pneumoniae. Scientific Reports, 2017, 7, 2715.	3.3	22
23	Dry sweat as sample for metabolomics analysis. Talanta, 2020, 208, 120428.	5.5	21
24	Cholesterol oxidation products in milk: Processing formation and determination. European Journal of Lipid Science and Technology, 2012, 114, 687-694.	1.5	18
25	Quantitative determination and confirmatory analysis of N-acetylneuraminic and N-glycolylneuraminic acids in serum and urine by solid-phase extraction on-line coupled to liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2014, 1346, 88-96.	3.7	18
26	Exhaled breath condensate to discriminate individuals with different smoking habits by GCâ€“TOF/MS. Scientific Reports, 2017, 7, 1421.	3.3	18
27	Determination of glycerophospholipids in vegetable edible oils: Proof of concept to discriminate olive oil categories. Food Chemistry, 2019, 299, 125136.	8.2	16
28	Highâ€resolution mass spectrometry to evaluate the influence of crossâ€breeding segregating populations on the phenolic profile of virgin olive oils. Journal of the Science of Food and Agriculture, 2014, 94, 3100-3109.	3.5	15
29	Untargeted analysis to monitor metabolic changes of garlic along heat treatment by LCâ€“QTOF MS/MS. Electrophoresis, 2017, 38, 2349-2360.	2.4	14
30	Confirmatory and quantitative analysis of fatty acid esters of hydroxy fatty acids in serum by solid phase extraction coupled to liquid chromatography tandem mass spectrometry. Analytica Chimica Acta, 2016, 943, 82-88.	5.4	13
31	Global metabolomic profiling of human serum from obese individuals by liquid chromatographyâ€“time-of-flight/mass spectrometry to evaluate the intake of breakfasts prepared with heated edible oils. Food Chemistry, 2013, 141, 1722-1731.	8.2	12
32	Optimization of a MALDI-Imaging protocol for studying adipose tissue-associated disorders. Talanta, 2020, 219, 121184.	5.5	11
33	Analytical platform for verification and quantitation of target peptides in human serum: Application to cathelicidin. Analytical Biochemistry, 2011, 415, 39-45.	2.4	10
34	Evaluation of short-term storage prior to analysis of vitamin D3 and metabolites in human serum by liquid chromatography coupled to tandem mass spectrometry. Talanta, 2019, 198, 344-349.	5.5	10
35	Development of a qualitative/quantitative strategy for comprehensive determination of polar lipids by LCâ€“MS/MS in human plasma. Analytical and Bioanalytical Chemistry, 2020, 412, 489-498.	3.7	10
36	Enhancing detection coverage in untargeted metabolomics analysis by solidâ€phase extraction onâ€line coupled to LCâ€“MS/MS. Electrophoresis, 2015, 36, 2179-2187.	2.4	9

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37	Determination of Fatty Acids and Stable Carbon Isotopic Ratio in Subcutaneous Fat to Identify the Feeding Regime of Iberian Pigs. Journal of Agricultural and Food Chemistry, 2015, 63, 692-699.	5.2	8
38	Comprehensive analysis of pig feces metabolome by chromatographic techniques coupled to mass spectrometry in high resolution mode: Influence of sample preparation on the identification coverage. Talanta, 2019, 199, 303-309.	5.5	7
39	Profiling analysis of phospholipid fatty acids in serum as a complement to the comprehensive fatty acids method. Journal of Chromatography A, 2020, 1619, 460965.	3.7	7
40	The dual trend in histatins research. TrAC - Trends in Analytical Chemistry, 2009, 28, 1011-1018.	11.4	6
41	Multi-omic profiling to assess the effect of iron starvation inStreptococcus pneumoniaeTIGR4. PeerJ, 2018, 6, e4966.	2.0	6
42	Lyophilization as pre-processing for sample storage in the determination of vitamin D3 and metabolites in serum and plasma. Talanta, 2021, 222, 121692.	5.5	5
43	Metabolic patterns in the lipoxygenase pathway associated to fruitiness attributes of extra virgin olive oil. Journal of Food Composition and Analysis, 2022, 109, 104478.	3.9	5
44	Vitamin D3 levels in women and factors contributing to explain metabolic variations. Journal of Steroid Biochemistry and Molecular Biology, 2021, 211, 105884.	2.5	3
45	Influence of genotype on the fatty acids composition of virgin olive oils from advanced selections obtained by crosses between Arbequina, Picual, and Frantoio cultivars along the ripening process. European Journal of Lipid Science and Technology, 2015, 117, 1261-1270.	1.5	2
46	Use of Lactobacillus spp to Degrade Pesticides in Milk. , 2015, , 207-213.		1
47	Metabolomic discrimination between patients with stable angina, nonâ€<scp>ST</scp> elevation myocardial infarction, and acute myocardial infarct. Electrophoresis, 2013, 34, 2827-2835.	2.4	0