

# Ángeles López-González

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,487  
citations

279798

23  
h-index

330143

37  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1934  
citing authors

#	ARTICLE	IF	CITATIONS
1	Missing value imputation strategies for metabolomics data. <i>Electrophoresis</i> , 2015, 36, 3050-3060.	2.4	118
2	Development and validation of extraction methods for determination of zinc and arsenic speciation in soils using focused ultrasound. <i>Analytica Chimica Acta</i> , 2001, 442, 305-318.	5.4	80
3	Multiplatform characterization of dynamic changes in breast milk during lactation. <i>Electrophoresis</i> , 2015, 36, 2269-2285.	2.4	79
4	Capillary electrophoresis mass spectrometry as a tool for untargeted metabolomics. <i>Bioanalysis</i> , 2017, 9, 99-130.	1.5	72
5	Recent Developments along the Analytical Process for Metabolomics Workflows. <i>Analytical Chemistry</i> , 2020, 92, 203-226.	6.5	72
6	A review of validated biomarkers obtained through metabolomics. <i>Expert Review of Molecular Diagnostics</i> , 2018, 18, 557-575.	3.1	71
7	Multi-analytical platform metabolomic approach to study miltefosine mechanism of action and resistance in <i>Leishmania</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3459-3476.	3.7	64
8	Stability studies of arsenate, monomethylarsonate, dimethylarsinate, arsenobetaine and arsenocholine in deionized water, urine and clean-up dry residue from urine samples and determination by liquid chromatography with microwave-assisted oxidation-hydride generation atomic absorption spectrometric detection. <i>Analytica Chimica Acta</i> , 1997, 340, 209-220.	5.4	61
9	Determination of six arsenic species by high-performance liquid chromatography ? hydride generation ? atomic absorption spectrometry with on-line thermo-oxidation. <i>Fresenius' Journal of Analytical Chemistry</i> , 1993, 346, 643-647.	1.5	54
10	Capillary electrophoresis for short chain organic acids in faeces. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 46, 356-361.	2.8	50
11	<sc>CE</sc>â€<sc>ESI</sc>â€<sc>MS</sc> metabolic fingerprinting of <i><sc>L</sc>eishmania</i> resistance to antimony treatment. <i>Electrophoresis</i> , 2012, 33, 1901-1910.	2.4	50
12	On-line microwave oxidation for the determination of organoarsenic compounds by high-performance liquid chromatographyâ€hydride generation atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1994, 9, 291-295.	3.0	49
13	Differential Gene Expression and Infection Profiles of Cutaneous and Mucosal <i>Leishmania braziliensis</i> Isolates from the Same Patient. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004018.	3.0	44
14	Capillary Electrophoresis-Mass Spectrometry at Trial by Metabo-Ring: Effective Electrophoretic Mobility for Reproducible and Robust Compound Annotation. <i>Analytical Chemistry</i> , 2020, 92, 14103-14112.	6.5	44
15	A Multiplatform Metabolomic Approach to the Basis of Antimonial Action and Resistance in <i>Leishmania infantum</i> . <i>PLoS ONE</i> , 2015, 10, e0130675.	2.5	39
16	Interlaboratory study to evaluate the robustness of capillary electrophoresisâ€mass spectrometry for peptide mapping. <i>Journal of Separation Science</i> , 2015, 38, 3262-3270.	2.5	36
17	HvPap-1 C1A Protease and HvCPI-2 Cystatin Contribute to Barley Grain Filling and Germination. <i>Plant Physiology</i> , 2016, 170, 2511-2524.	4.8	33
18	Uptake and Distribution of Zinc, Cadmium, Lead and Copper in<i>Brassica napus var. oleÃfer</i> and<i>Helianthus annuus</i> Grown in Contaminated Soils. <i>International Journal of Phytoremediation</i> , 2003, 5, 153-167.	3.1	32

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19	In-source fragmentation and correlation analysis as tools for metabolite identification exemplified with CE-TOF untargeted metabolomics. <i>Electrophoresis</i> , 2015, 36, 2188-2195.	2.4	32
20	Generation of AsH <sub>3</sub> from As(V) in the absence of KI as prereducing agent: Speciation of inorganic arsenic. <i>Talanta</i> , 1992, 39, 1343-1348.	5.5	31
21	Complex Interplay between Sphingolipid and Sterol Metabolism Revealed by Perturbations to the <i>Leishmania</i> Metabolome Caused by Miltefosine. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	31
22	Capillary electrophoresis reveals polyamine metabolism modulation in <i>Leishmania (Leishmania) amazonensis</i> wild-type and arginase-knockout mutants under arginine starvation. <i>Electrophoresis</i> , 2015, 36, 2314-2323.	2.4	30
23	Evaluation of high-performance liquid chromatography for the separation and determination of arsenic species by on-line high-performance liquid chromatographic-generation-atomic absorption spectrometry. <i>Biomedical Applications</i> , 1995, 666, 101-109.	1.7	27
24	Repression of drought-induced cysteine-protease genes alters barley leaf structure and responses to abiotic and biotic stresses. <i>Journal of Experimental Botany</i> , 2019, 70, 2143-2155.	4.8	26
25	Anionic cartridge preconcentrators for inorganic arsenic, monomethylarsonate and dimethylarsinate determination by on-line HPLC-HG-AAS. <i>Fresenius' Journal of Analytical Chemistry</i> , 1997, 357, 844-849.	1.5	24
26	Metabolomic Profile of BALB/c Macrophages Infected with <i>Leishmania amazonensis</i> : Deciphering L-Arginine Metabolism. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6248.	4.1	24
27	Enhancing confidence of metabolite annotation in Capillary Electrophoresis-Mass Spectrometry untargeted metabolomics with relative migration time and in-source fragmentation. <i>Journal of Chromatography A</i> , 2021, 1635, 461758.	3.7	23
28	Urine clean-up method for determination of six arsenic species by LC-AAS involving microwave assisted oxidation and hydride generation. <i>Chromatographia</i> , 1996, 43, 507-512.	1.3	21
29	Determination of toxic and non-toxic arsenic species in urine by microwave assisted mineralization and hydride generation atomic absorption spectrometry. <i>Mikrochimica Acta</i> , 1995, 120, 301-308.	5.0	19
30	Unveiling the Fragmentation Mechanisms of Modified Amino Acids as the Key for Their Targeted Identification. <i>Analytical Chemistry</i> , 2020, 92, 4848-4857.	6.5	18
31	Molecular Basis of the Leishmanicidal Activity of the Antidepressant Sertraline as a Drug Repurposing Candidate. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	17
32	Metabolic Clustering Analysis as a Strategy for Compound Selection in the Drug Discovery Pipeline for Leishmaniasis. <i>ACS Chemical Biology</i> , 2018, 13, 1361-1369.	3.4	15
33	Capillary Electrophoresis Mass Spectrometry as a Tool for Untargeted Metabolomics. <i>Methods in Molecular Biology</i> , 2019, 1978, 55-77.	0.9	12
34	Validated flow-injection method for rapid aluminium determination in anti-perspirants. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 340-346.	2.8	11
35	Metabolomic Reprogramming of C57BL/6-Macrophages during Early Infection with <i>L. amazonensis</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 6883.	4.1	11
36	Oxidized lipids in the metabolic profiling of neuroendocrine tumors – Analytical challenges and biological implications. <i>Journal of Chromatography A</i> , 2020, 1625, 461233.	3.7	9

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37	Comprehensive Plasma Metabolomic Profile of Patients with Advanced Neuroendocrine Tumors (NETs). Diagnostic and Biological Relevance. <i>Cancers</i> , 2021, 13, 2634.	3.7	9
38	Noninvasive monitoring of evolving urinary metabolic patterns in neonatal encephalopathy. <i>Pediatric Research</i> , 2022, 91, 598-605.	2.3	9
39	Metabolomics as a tool to evaluate the toxicity of formulations containing amphotericin B, an antileishmanial drug. <i>Toxicology Research</i> , 2016, 5, 1720-1732.	2.1	7
40	Plasma Metabolic Signature of Atherosclerosis Progression and Colchicine Treatment in Rabbits. <i>Scientific Reports</i> , 2020, 10, 7072.	3.3	7
41	Ultrasound-assisted extraction for rapid determination of Zn, Cu, Fe, Mg and Mn in liver of diabetic rats under different antioxidant treatments. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 49, 1040-1044.	2.8	6
42	Tolerance of Some Mediterranean Crops to Copper and Zinc: Implications in Toxic Metal Clean Up. <i>Chemistry and Ecology</i> , 1999, 16, 297-316.	1.6	5
43	Unraveling the Cyclization of Argininosuccinic Acid in Biological Samples: A Study via Mass Spectrometry and NMR Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 12891-12899.	6.5	4
44	Mapping Alterations Induced by Long-Term Axenic Cultivation of <i>Leishmania amazonensis</i> Promastigotes With a Multiplatform Metabolomic Fingerprint Approach. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 403.	3.9	3
45	Profiling of polar ionogenic metabolites in Polish wines by capillary electrophoresis-mass spectrometry. <i>Electrophoresis</i> , 2022, 43, 1814-1821.	2.4	3
46	Metabolomics Analysis of <i>Leishmania</i> by Capillary Electrophoresis and Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2019, 1859, 253-260.	0.9	2
47	Metabolic Phenotyping Using Capillary Electrophoresis Mass Spectrometry. , 2019, , 171-204.		2
48	CE-MS for Metabolomics: A Comparison with Other Techniques. <i>New Developments in Mass Spectrometry</i> , 2018, , 161-183.	0.2	1
49	Energy metabolism as a target for cyclobenzaprine: A drug candidate against Visceral Leishmaniasis. <i>Bioorganic Chemistry</i> , 2022, 127, 106009.	4.1	0