

Maria Estela del Castillo Busto

List of Publications by Year in descending order

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30
papers

746
citations

489802
18
h-index

591227
27
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31
all docs

31
docs citations

31
times ranked

1163
citing authors

#	ARTICLE	IF	CITATIONS
1	A fit-for-purpose copper speciation method for the determination of exchangeable copper relevant to Wilson's disease. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 561-573.	1.9	22
2	Assessment of changes in autophagic vesicles in human immune cell lines exposed to nano particles. <i>Cell and Bioscience</i> , 2021, 11, 133.	2.1	3
3	Demethylation of Methylmercury in Bird, Fish, and Earthworm. <i>Environmental Science & Technology</i> , 2021, 55, 1527-1534.	4.6	61
4	The accurate determination of number concentration of inorganic nanoparticles using spICP-MS with the dynamic mass flow approach. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1832-1839.	1.6	41
5	Accurate quantification of carboplatin adducts with serum proteins by monolithic chromatography coupled to ICPMS with isotope dilution analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 729-740.	1.6	12
6	Dynamic Proteome Alteration and Functional Modulation of Human Saliva Induced by Dietary Chemosensory Stimuli. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5621-5634.	2.4	22
7	Elements in human serum—CCQM-K139. <i>Metrologia</i> , 2018, 55, 08006-08006.	0.6	2
8	ANALYTICAL PERFORMANCE OF MICROWAVE-ASSISTED SOLVENT EXTRACTION (MASE) FOR THE ROUTINE DETERMINATION OF PAHs IN POLLUTED SOILS BY GAS CHROMATOGRAPHIC-MASS SPECTROMETRY (GC-MS). <i>Revista Internacional De Contaminacion Ambiental</i> , 2018, 34, 355-366.	0.1	5
9	Comparison of potential higher order reference methods for total haemoglobin quantification—an interlaboratory study. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2341-2351.	1.9	11
10	Final report on CCQM-K125: elements in infant formula. <i>Metrologia</i> , 2017, 54, 08013-08013.	0.6	2
11	Accurate Quantification of Selenoprotein P (SEPP ₁) in Plasma Using Isotopically Enriched Seleno-peptides and Species-Specific Isotope Dilution with HPLC Coupled to ICP-MS/MS. <i>Analytical Chemistry</i> , 2016, 88, 6357-6365.	3.2	29
12	Accurate quantification of selenoproteins in human plasma/serum by isotope dilution ICP-MS: focus on selenoprotein P. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1904-1912.	1.6	20
13	[Sec-to-Cys]selenoprotein — a novel type of recombinant, full-length selenoprotein standard for quantitative proteomics. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1929-1938.	1.6	7
14	Chemical Proteomics Uncovers EPHA2 as a Mechanism of Acquired Resistance to Small Molecule EGFR Kinase Inhibition. <i>Journal of Proteome Research</i> , 2015, 14, 2617-2625.	1.8	48
15	Experimental design for TBT quantification by isotope dilution SPE—GC—ICP—MS under the European water framework directive. <i>Talanta</i> , 2015, 134, 576-586.	2.9	25
16	Détermination de l'hémoglobine totale par dilution isotopique ICPMS afin d'assurer la traçabilité métrologique en biochimie clinique. , 2015, , .		0
17	Comparison of different methods for the absolute quantification of harbour seal transferrin glycoforms using HPLC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 440.	1.6	10
18	Comprehensive proteome analysis in <i>Cenococcum geophilum</i> Fr. as a tool to discover drought-related proteins. <i>Journal of Proteomics</i> , 2012, 75, 3707-3719.	1.2	12

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19	Quantitative targeted biomarker assay for glycated haemoglobin by multidimensional LC using mass spectrometric detection. <i>Journal of Proteomics</i> , 2011, 74, 35-43.	1.2	25
20	Novel HPLC-ICP-MS strategy for the determination of ^{57}Fe -Transferrin, the biomarker of cerebrospinal fluid (CSF) leakage. <i>Analyst</i> , The, 2010, 135, 1538.	1.7	18
21	The potential of mass spectrometry to study iron-containing proteins used in clinical diagnosis. <i>Analytica Chimica Acta</i> , 2009, 634, 1-14.	2.6	22
22	Diophantine analysis complements electrospray-ESI-TOF data for structure elucidation of transferrin glycoforms used for clinical diagnosis in human serum and cerebrospinal fluid. <i>Proteomics</i> , 2009, 9, 1109-1113.	1.3	6
23	Stable isotope labelling and FPLC-ICP-SFMS for the accurate determination of clinical iron status parameters in human serum. <i>Analyst</i> , The, 2008, 133, 379.	1.7	39
24	Protein labelling with mercury tags: fundamental studies on ovalbumin derivatised with p-hydroxymercuribenzoic acid (pHMB). <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 1359.	1.6	53
25	Simultaneous determination of glycated haemoglobin, a long term biomarker of diabetes mellitus, and total haemoglobin by isotope dilution and HPLC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 758.	1.6	25
26	A Preliminary Study of Metalloproteins in CSF by CapLC-ICPMS and NanoLC-CHIP/ITMS. <i>Journal of Proteome Research</i> , 2008, 7, 3747-3754.	1.8	21
27	Accurate Determination of Human Serum Transferrin Isoforms: Exploring Metal-Specific Isotope Dilution Analysis as a Quantitative Proteomic Tool. <i>Analytical Chemistry</i> , 2006, 78, 8218-8226.	3.2	84
28	Complementary FPLC-ICP-MS and MALDI-TOF for studying vanadium association to human serum proteins. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 210-215.	1.6	26
29	Strategies To Study Human Serum Transferrin Isoforms Using Integrated Liquid Chromatography ICPMS, MALDI-TOF, and ESI-Q-TOF Detection: Application to Chronic Alcohol Abuse. <i>Analytical Chemistry</i> , 2005, 77, 5615-5621.	3.2	95
30	Développement d'une méthode primaire pour la détermination du fer total dans du sérum. <i>Revue Française De Métrologie</i> , 0, , 41-50.	0.0	0