

JosÃ© Luis Luque-GarcÃ­a

List of Publications by Year in descending order

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88
papers

4,042
citations

109321

35
h-index

123424

61
g-index

88
all docs

88
docs citations

88
times ranked

5348
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasound: a powerful tool for leaching. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 41-47.	11.4	400
2	Mycobacteria release active membrane vesicles that modulate immune responses in a TLR2-dependent manner in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 1471-1483.	8.2	300
3	Ultrasound-assisted Soxhlet extraction: an expeditive approach for solid sample treatment. <i>Journal of Chromatography A</i> , 2004, 1034, 237-242.	3.7	205
4	Characterization of protective extracellular membrane-derived vesicles produced by <i>Streptococcus pneumoniae</i> . <i>Journal of Proteomics</i> , 2014, 106, 46-60.	2.4	203
5	Sample preparation for serum/plasma profiling and biomarker identification by mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1153, 259-276.	3.7	170
6	Extracellular vesicles produced by the <i>Gram</i> -positive bacterium <i>Bacillus subtilis</i> are disrupted by the lipopeptide surfactin. <i>Molecular Microbiology</i> , 2014, 93, 183-198.	2.5	133
7	Effects of chitosan-stabilized selenium nanoparticles on cell proliferation, apoptosis and cell cycle pattern in HepG2 cells: Comparison with other selenospecies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 184-193.	5.0	117
8	Identification of mitochondrial dysfunction in Hutchinson–Gilford progeria syndrome through use of stable isotope labeling with amino acids in cell culture. <i>Journal of Proteomics</i> , 2013, 91, 466-477.	2.4	110
9	Where is microwave-based analytical equipment for solid sample pre-treatment going?. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 90-98.	11.4	92
10	Differential protein expression on the cell surface of colorectal cancer cells associated to tumor metastasis. <i>Proteomics</i> , 2010, 10, 940-952.	2.2	90
11	Interaction of <i>Cryptococcus neoformans</i> Extracellular Vesicles with the Cell Wall. <i>Eukaryotic Cell</i> , 2014, 13, 1484-1493.	3.4	90
12	Focused microwave-assisted Soxhlet extraction: devices and applications. <i>Talanta</i> , 2004, 64, 571-577.	5.5	84
13	Characterization of <i>Alternaria infectoria</i> extracellular vesicles. <i>Medical Mycology</i> , 2014, 52, 202-210.	0.7	81
14	Lipid Biosynthetic Genes Affect <i>Candida albicans</i> Extracellular Vesicle Morphology, Cargo, and Immunostimulatory Properties. <i>Eukaryotic Cell</i> , 2015, 14, 745-754.	3.4	73
15	Dynamic ultrasound-assisted extraction of cadmium and lead from plants prior to electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2003, 480, 231-237.	5.4	65
16	Continuous microwave-assisted extraction coupled with derivatization and fluorimetric monitoring for the determination of fluoroquinolone antibacterial agents from soil samples. <i>Journal of Chromatography A</i> , 2004, 1059, 25-31.	3.7	64
17	Extraction of fat-soluble vitamins. <i>Journal of Chromatography A</i> , 2001, 935, 3-11.	3.7	62
18	Continuous ultrasound-assisted extraction of hexavalent chromium from soil with or without on-line preconcentration prior to photometric monitoring. <i>Analyst</i> , The, 2002, 127, 1115-1120.	3.5	56

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19	Staticâ€“dynamic pressurized hot water extraction coupled to on-line filtrationâ€“solid-phase extractionâ€“high-performance liquid chromatographyâ€“post-column derivatizationâ€“fluorescence detection for the analysis of N-methylcarbamates in foods. <i>Analytica Chimica Acta</i> , 2002, 463, 189-197.	5.4	53
20	Proteomics as a tool for examining the toxicity of heavy metals. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 703-716.	11.4	53
21	Use of Nitrocellulose Membranes for Protein Characterization by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 5102-5108.	6.5	52
22	Isolation and identification of membrane vesicle-associated proteins in Gram-positive bacteria and mycobacteria. <i>MethodsX</i> , 2014, 1, 124-129.	1.6	51
23	Approach for Independent-Matrix Removal of Polycyclic Aromatic Hydrocarbons from Solid Samples Based on Microwave-Assisted Soxhlet Extraction with On-Line Fluorescence Monitoring. <i>Analytical Chemistry</i> , 2000, 72, 3627-3634.	6.5	50
24	A Synthetic Lethal Interaction between APC/C and Topoisomerase Poisons Uncovered by Proteomic Screens. <i>Cell Reports</i> , 2014, 6, 670-683.	6.4	48
25	Pressurized Hot Water Extraction with On-Line Fluorescence Monitoring:Â a Comparison of the Static, Dynamic, and Staticâ”Dynamic Modes for the Removal of Polycyclic Aromatic Hydrocarbons from Environmental Solid Samples. <i>Analytical Chemistry</i> , 2002, 74, 4213-4219.	6.5	47
26	Rapid analytical method for the determination of pesticide residues in sunflower seeds based on focused microwave-assisted Soxhlet extraction prior to gas chromatographyâ€“tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2003, 993, 121-129.	3.7	46
27	Analysis of Electroblotted Proteins by Mass Spectrometry: Protein Identification after Western Blotting. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 308-314.	3.8	46
28	Cancer cell targeting and therapeutic delivery of silver nanoparticles by mesoporous silica nanocarriers: insights into the action mechanisms using quantitative proteomics. <i>Nanoscale</i> , 2019, 11, 4531-4545.	5.6	46
29	Coupling continuous subcritical water extraction, filtration, preconcentration, chromatographic separation and UV detection for the determination of chlorophenoxy acid herbicides in soils. <i>Journal of Chromatography A</i> , 2002, 959, 25-35.	3.7	45
30	Screening method for linear alkylbenzene sulfonates in sediments based on water Soxhlet extraction assisted by focused microwaves with on-line preconcentration/derivatization/detection. <i>Journal of Chromatography A</i> , 2004, 1026, 41-46.	3.7	45
31	Lineage-restricted function of the pluripotency factor NANOG in stratified epithelia. <i>Nature Communications</i> , 2014, 5, 4226.	12.8	45
32	Water Soxhlet Extraction Assisted by Focused Microwaves:Â A Clean Approach. <i>Analytical Chemistry</i> , 2001, 73, 5903-5908.	6.5	39
33	Mesoporous silica nanoparticles containing silver as novel antimycobacterial agents against <i>Mycobacterium tuberculosis</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111405.	5.0	37
34	Study of the feasibility of focused microwave-assisted Soxhlet extraction of N-methylcarbamates from soil. <i>Journal of Chromatography A</i> , 2002, 953, 133-140.	3.7	36
35	Extraction of polychlorinated biphenyls from soils by automated focused microwave-assisted Soxhlet extraction. <i>Journal of Chromatography A</i> , 2003, 998, 21-29.	3.7	36
36	A continuous approach for the determination of Cr(VI) in sediment and soil based on the coupling of microwave-assisted water extraction, preconcentration, derivatization and photometric detection. <i>Analytica Chimica Acta</i> , 2004, 515, 343-348.	5.4	35

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37	Sequential superheated liquid extraction of pesticides, pharmaceutical and personal care products with different polarity from marine sediments followed by gas chromatography mass spectrometry detection. <i>Analytica Chimica Acta</i> , 2005, 552, 50-59.	5.4	35
38	The <i>Fusarium oxysporum</i> cell wall proteome under adhesion-inducing conditions. <i>Proteomics</i> , 2009, 9, 4755-4769.	2.2	34
39	Bioanalytical strategies for in-vitro and in-vivo evaluation of the toxicity induced by metallic nanoparticles. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 43, 254-268.	11.4	34
40	MAL facilitates the incorporation of exocytic uroplakin-delivering vesicles into the apical membrane of urothelial umbrella cells. <i>Molecular Biology of the Cell</i> , 2012, 23, 1354-1366.	2.1	32
41	Analytical and bioanalytical approaches to unravel the selenium-mercury antagonism: A review. <i>Analytica Chimica Acta</i> , 2013, 801, 1-13.	5.4	32
42	Fast quality monitoring of oil from prefried and fried foods by focused microwave-assisted Soxhlet extraction. <i>Food Chemistry</i> , 2002, 76, 241-248.	8.2	31
43	Antimycobacterial Effect of Selenium Nanoparticles on <i>Mycobacterium tuberculosis</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 800.	3.5	31
44	Automated fast extraction of nitrated polycyclic aromatic hydrocarbons from soil by focused microwave-assisted Soxhlet extraction prior to gas chromatography-electron-capture detection. <i>Journal of Chromatography A</i> , 2003, 994, 159-167.	3.7	29
45	Sample preparation strategies for improving the identification of membrane proteins by mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4893-4905.	3.7	26
46	Static extraction with modified pressurized liquid and on-line fluorescence monitoring. <i>Journal of Chromatography A</i> , 2002, 978, 49-57.	3.7	24
47	How oral probiotics affect the severity of an experimental model of progressive multiple sclerosis? Bringing commensal bacteria into the neurodegenerative process. <i>Gut Microbes</i> , 2020, 12, 1813532.	9.8	24
48	Analysis of protein expression in developmental toxicity induced by MeHg in zebrafish. <i>Analyst</i> , The, 2012, 137, 5302.	3.5	23
49	Acetate correlates with disability and immune response in multiple sclerosis. <i>PeerJ</i> , 2020, 8, e10220.	2.0	23
50	Microwave-assisted water extraction of acid herbicides from soils coupled to continuous filtration, pre-concentration, chromatographic separation and UV detection. <i>Chromatographia</i> , 2002, 55, 117-122.	1.3	22
51	On-Membrane Tryptic Digestion of Proteins for Mass Spectrometry Analysis. <i>Methods in Molecular Biology</i> , 2009, 536, 331-341.	0.9	22
52	A Quantitative Proteomic Analysis Uncovers the Relevance of CUL3 in Bladder Cancer Aggressiveness. <i>PLoS ONE</i> , 2013, 8, e53328.	2.5	22
53	Pure and modified water assisted by auxiliary energies: An environmental friendly extractant for sample preparation. <i>Analytica Chimica Acta</i> , 2006, 557, 278-286.	5.4	21
54	A common surfactant used in food packaging found to be toxic for reproduction in mammals. <i>Food and Chemical Toxicology</i> , 2018, 113, 115-124.	3.6	21

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55	Propelling devices: the heart of flow injection approaches. <i>Analytica Chimica Acta</i> , 2002, 461, 169-180.	5.4	20
56	Approaches for Accelerating Sample Preparation in Environmental Analysis. <i>Critical Reviews in Environmental Science and Technology</i> , 2003, 33, 391-421.	12.8	20
57	Combination of bioanalytical approaches and quantitative proteomics for the elucidation of the toxicity mechanisms associated to TiO ₂ nanoparticles exposure in human keratinocytes. <i>Food and Chemical Toxicology</i> , 2019, 127, 197-205.	3.6	20
58	SILAC-based quantitative proteomics identifies size-dependent molecular mechanisms involved in silver nanoparticles-induced toxicity. <i>Nanotoxicology</i> , 2019, 13, 812-826.	3.0	20
59	Determination of the major elements in homogeneous and heterogeneous samples by tandem laser-induced breakdown spectroscopy—partial least square regression. <i>Microchemical Journal</i> , 2002, 73, 355-362.	4.5	19
60	Acidified pressurized hot water for the continuous extraction of cadmium and lead from plant materials prior to ETAAS. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2003, 58, 159-165.	2.9	19
61	Comparison of the static, dynamic and static-dynamic pressurised liquid extraction modes for the removal of nitrated polycyclic aromatic hydrocarbons from soil with on-line filtration-preconcentration. <i>Journal of Chromatography A</i> , 2003, 1010, 129-140.	3.7	18
62	Coupling of pressurized liquid extraction to other steps in environmental analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2004, 23, 102-108.	11.4	18
63	Sequential Automated Focused Microwave-Assisted Soxhlet Extraction of Compounds with Different Polarity from Marine Sediments Prior to Gas Chromatography Mass Spectrometry Detection. <i>Chromatographia</i> , 2005, 62, 69-74.	1.3	16
64	Static pressurised liquid extraction of nitrated polycyclic aromatic hydrocarbons from soils with on-line filtration-preconcentration prior to gas chromatography-mass spectrometry detection. <i>Analyst</i> , 2003, 128, 980-985.	3.5	15
65	Proteomic evaluation of mouse adipose tissue and liver following hydroxytyrosol supplementation. <i>Food and Chemical Toxicology</i> , 2017, 107, 329-338.	3.6	14
66	Mesoporous Silica Nanoparticles as a Potential Platform for Vaccine Development against Tuberculosis. <i>Pharmaceutics</i> , 2020, 12, 1218.	4.5	14
67	Rhodium Nanoparticles as a Novel Photosensitizing Agent in Photodynamic Therapy against Cancer. <i>Chemistry - A European Journal</i> , 2020, 26, 7685-7691.	3.3	13
68	Pressurised liquid—liquid extraction. An approach to the removal of inorganic non-metal species from used industrial oils. <i>Chemosphere</i> , 2004, 56, 943-947.	8.2	12
69	Differential protein expression of hepatic cells associated with MeHg exposure: deepening into the molecular mechanisms of toxicity. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 315-324.	3.7	12
70	Automation of sample preparation. <i>Comprehensive Analytical Chemistry</i> , 2003, 41, 649-680.	1.3	11
71	Valves and flow injection manifolds: an excellent marriage with unlimited versatility. <i>Analytica Chimica Acta</i> , 2003, 480, 181-192.	5.4	8
72	Demetalization of oils resulting from recycled tires by liquid—liquid extraction using modified superheated water. <i>Talanta</i> , 2004, 63, 391-396.	5.5	8

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73	Pharmacokinetics and disposition of miltefosine in healthy mice and hamsters experimentally infected with <i>Leishmania infantum</i> . <i>European Journal of Pharmaceutical Sciences</i> , 2018, 121, 281-286.	4.0	8
74	Integration of untargeted and targeted mass spectrometry-based metabolomics provides novel insights into the potential toxicity associated to surfyinol. <i>Food and Chemical Toxicology</i> , 2020, 146, 111849.	3.6	8
75	Transcriptome Analysis Identifies Novel Mechanisms Associated with the Antitumor Effect of Chitosan-Stabilized Selenium Nanoparticles. <i>Pharmaceutics</i> , 2021, 13, 356.	4.5	8
76	Impact of selenium co-administration on methylmercury exposed eleutheroembryos and adult zebrafish (<i>Danio rerio</i>): Changes in bioaccumulation and gene expression. <i>Chemosphere</i> , 2019, 236, 124295.	8.2	7
77	A novel hemocompatible core@shell nanosystem for selective targeting and apoptosis induction in cancer cells. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2697-2712.	6.0	7
78	Integration of Transcriptomics and Metabolomics to Reveal the Molecular Mechanisms Underlying Rhodium Nanoparticles-Based Photodynamic Cancer Therapy. <i>Pharmaceutics</i> , 2021, 13, 1629.	4.5	6
79	A Multi-Omics Approach to Evaluate the Toxicity Mechanisms Associated with Silver Nanoparticles Exposure. <i>Nanomaterials</i> , 2022, 12, 1762.	4.1	6
80	A quantitative proteomic approach for unveiling novel mechanisms associated with MeHg-induced toxicity: effects on the methylation cycle. <i>Toxicology Research</i> , 2016, 5, 291-302.	2.1	5
81	Biogenesis and Function of Extracellular Vesicles in Gram-Positive Bacteria, Mycobacteria, and Fungi. , 2020, , 47-74.		5
82	Short-chain fatty acids during pregnancy in multiple sclerosis: A prospective cohort study. <i>European Journal of Neurology</i> , 2022, 29, 895-900.	3.3	5
83	Strategies for Membrane Protein Analysis by Mass Spectrometry. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1140, 289-298.	1.6	4
84	Analysis of Electroblotted Proteins by Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2015, 1314, 243-253.	0.9	2
85	Stable Isotopic Labeling for Proteomics. , 2011, , 549-573.		2
86	Chapter 4 Continuous-flow analytical systems. <i>Comprehensive Analytical Chemistry</i> , 2003, 39, 161-243.	1.3	1
87	FUNCTIONAL ROLES OF MAL IN REGULATING THE ASSEMBLY AND APICAL DELIVERY OF THE UROPLAKIN BACTERIAL RECEPTOR COMPLEX. <i>Journal of Urology</i> , 2009, 181, 234-235.	0.4	0
88	Abstract 287: A SILAC proteomics analysis to identify bladder cancer metastasis-associated candidates. , 2011, , .		0