

M E Leñn-González

List of Publications by Year in descending order

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69
papers

1,716
citations

304368

22
h-index

315357

38
g-index

71
all docs

71
docs citations

71
times ranked

2028
citing authors

#	ARTICLE	IF	CITATIONS
1	Citrus peels waste as a source of value-added compounds: Extraction and quantification of bioactive polyphenols. <i>Food Chemistry</i> , 2019, 295, 289-299.	4.2	160
2	Evaluation of mixed mode solid phase extraction cartridges for the preconcentration of beta-lactam antibiotics in wastewater using liquid chromatography with UV-DAD detection. <i>Analytica Chimica Acta</i> , 2006, 556, 415-422.	2.6	124
3	Chemically modified polymeric sorbents for sample preconcentration. <i>Journal of Chromatography A</i> , 2000, 902, 3-16.	1.8	117
4	Flow-injection determination of paraoxon by inhibition of immobilized acetylcholinesterase. <i>Analytica Chimica Acta</i> , 1990, 236, 267-272.	2.6	80
5	Extraction, identification and quantification of polyphenols from spent coffee grounds by chromatographic methods and chemometric analyses. <i>Waste Management</i> , 2019, 96, 15-24.	3.7	71
6	Principal component analysis (PCA) and multiple linear regression (MLR) statistical tools to evaluate the effect of E-beam irradiation on ready-to-eat food. <i>Journal of Food Composition and Analysis</i> , 2011, 24, 456-464.	1.9	66
7	Determination of chlorophenoxy acid herbicides and their esters in soil by capillary high performance liquid chromatography with ultraviolet detection, using large volume injection and temperature gradient. <i>Analytica Chimica Acta</i> , 2002, 470, 147-154.	2.6	49
8	Selection of calibration mixtures and wavelengths for different multivariate calibration methods. <i>Analytica Chimica Acta</i> , 1995, 313, 93-101.	2.6	46
9	Two-dimensional liquid chromatography for direct chiral separations: a review. <i>Biomedical Chromatography</i> , 2014, 28, 59-83.	0.8	45
10	Capillary liquid chromatography of chlorophenoxy acid herbicides and their esters in apple juice samples after preconcentration on a cation exchanger based on polydivinylbenzene-N-vinylpyrrolidone. <i>Journal of Chromatography A</i> , 2005, 1076, 202-206.	1.8	43
11	Determination of organophosphorus and carbamate pesticide standards by liquid chromatography with detection by inhibition of immobilized acetylcholinesterase. <i>Journal of Chromatography A</i> , 1991, 539, 47-54.	1.8	42
12	Valorisation of black mulberry and grape seeds: Chemical characterization and bioactive potential. <i>Food Chemistry</i> , 2021, 337, 127998.	4.2	41
13	Determination of serotonin and its precursors in chocolate samples by capillary liquid chromatography with mass spectrometry detection. <i>Journal of Chromatography A</i> , 2012, 1232, 158-165.	1.8	38
14	Direct chiral determination of free amino acid enantiomers by two-dimensional liquid chromatography: application to control transformations in E-beam irradiated foodstuffs. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 63-75.	1.9	31
15	Residual brewing yeast as a source of polyphenols: Extraction, identification and quantification by chromatographic and chemometric tools. <i>Food Chemistry</i> , 2018, 267, 246-254.	4.2	28
16	Capillary liquid chromatography with diode array and mass spectrometry detection for heterocyclic aromatic amine determination in ready-to-eat food treated with electron-beam irradiation. <i>Journal of Chromatography A</i> , 2010, 1217, 6778-6784.	1.8	27
17	Determination of phenolic compounds in residual brewing yeast using matrix solid-phase dispersion extraction assisted by titanium dioxide nanoparticles. <i>Journal of Chromatography A</i> , 2019, 1601, 255-265.	1.8	27
18	Extraction of polyphenols and synthesis of new activated carbon from spent coffee grounds. <i>Scientific Reports</i> , 2019, 9, 17706.	1.6	27

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19	Preconcentration and flow-injection multivariate determination of priority pollutant chlorophenols. <i>Analytica Chimica Acta</i> , 1995, 308, 238-245.	2.6	25
20	Enantiomeric separation of chlorophenoxy acid herbicides by nano liquid chromatography-UV detection on a vancomycin-based chiral stationary phase. <i>Journal of Separation Science</i> , 2004, 27, 1303-1308.	1.3	25
21	Chiral Determination of Salbutamol, Salmeterol and Atenolol by Two-Dimensional LC-UV: Application to Urine Samples. <i>Chromatographia</i> , 2012, 75, 1365-1375.	0.7	23
22	In-vivo solid phase microextraction for quantitative analysis of volatile organoselenium compounds in plants. <i>Analytica Chimica Acta</i> , 2019, 1081, 72-80.	2.6	23
23	Multiresidue determination of chlorophenoxy acid herbicides in human urine samples by use of solid-phase extraction and capillary LC-UV detection. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 759-768.	1.9	22
24	Fluoroquinolone antibiotic determination in bovine milk using capillary liquid chromatography with diode array and mass spectrometry detection. <i>Journal of Food Composition and Analysis</i> , 2012, 28, 99-106.	1.9	22
25	Determination of ibuprofen enantiomers in breast milk using vortex-assisted matrix solid-phase dispersion and direct chiral liquid chromatography. <i>Journal of Chromatography A</i> , 2017, 1514, 88-94.	1.8	22
26	Simultaneous determination of the size and concentration of AgNPs in water samples by UV-vis spectrophotometry and chemometrics tools. <i>Talanta</i> , 2018, 188, 393-403.	2.9	22
27	Insights into the accumulation and transformation of Ch-SeNPs by <i>Raphanus sativus</i> and <i>Brassica juncea</i> : Effect on essential elements uptake. <i>Science of the Total Environment</i> , 2020, 725, 138453.	3.9	22
28	Enantiomeric Separation of Ofloxacin by Nano-Liquid Chromatography Using a Sulfated- β -Cyclodextrin as a Chiral Selector in the Mobile Phase. <i>Current Analytical Chemistry</i> , 2010, 6, 209-216.	0.6	21
29	Non-aqueous flow-injection determination of atrazine by inhibition of immobilized tyrosinase. <i>Analytica Chimica Acta</i> , 1998, 362, 187-192.	2.6	19
30	Determination of salbutamol by direct chiral reversed-phase HPLC using teicoplanin as stationary phase and its application to natural water analysis. <i>Biomedical Chromatography</i> , 2013, 27, 1413-1422.	0.8	19
31	A combined approach based on matrix solid-phase dispersion extraction assisted by titanium dioxide nanoparticles and liquid chromatography to determine polyphenols from grape residues. <i>Journal of Chromatography A</i> , 2021, 1644, 462128.	1.8	19
32	Determination of triazine herbicides by capillary liquid chromatography with on-column focusing and temperature gradient. <i>Analytica Chimica Acta</i> , 2001, 445, 29-34.	2.6	18
33	An improved method for the spectrophotometric determination of fluoride by addition of sodium dodecyl sulphate to the fluoride/lanthanum (III)/Alizarin fluorine blue system. <i>Analytica Chimica Acta</i> , 1985, 178, 331-335.	2.6	17
34	Large injection volumes in capillary liquid chromatography: Study of the effect of focusing on chromatographic performance. <i>Journal of Chromatography A</i> , 2010, 1217, 7507-7513.	1.8	17
35	Learning Principal Component Analysis by Using Data from Air Quality Networks. <i>Journal of Chemical Education</i> , 2017, 94, 458-464.	1.1	16
36	Bioactive polyphenols from <i>Ranunculus macrophyllus</i> Desf. Roots: Quantification, identification and antioxidant activity. <i>South African Journal of Botany</i> , 2020, 132, 204-214.	1.2	15

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37	Flow-injection spectrophotometric determination of fluoride based on alizarin fluorine blue in the presence of sodium dodecyl sulphate. <i>Analytica Chimica Acta</i> , 1989, 219, 329-333.	2.6	14
38	Effect of temperature on the separation of chlorophenoxy acids and carbamates by capillary high-performance liquid chromatography and UV (or diode array) detection. <i>Journal of Chromatography A</i> , 2005, 1081, 114-121.	1.8	14
39	Rapid analysis of pyrethroids in whole urine by high-performance liquid chromatography using a monolithic column and off-line preconcentration in a restricted access material cartridge. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 527-531.	1.9	14
40	One- and Two-Dimensional Direct Chiral Liquid Chromatographic Determination of Mixtures of Diclofop-Acid and Diclofop-Methyl Herbicides. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 2303-2309.	2.4	14
41	In vivo quantification of volatile organoselenium compounds released by bacteria exposed to selenium with HS-SPME-GC-MS. Effect of selenite and selenium nanoparticles. <i>Talanta</i> , 2021, 224, 121907.	2.9	14
42	Preconcentration of triazine herbicides from water by an ion chromatography column and determination by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1997, 760, 314-318.	1.8	13
43	Novel Rivastigmine Derivatives as Promising Multi-Target Compounds for Potential Treatment of Alzheimer's Disease. <i>Biomedicines</i> , 2022, 10, 1510.	1.4	13
44	Use of the Kalman filter for multivariate calibration in a real system and its comparison with CLS and pure component calibration methods. <i>Journal of Chemometrics</i> , 1993, 7, 267-275.	0.7	12
45	DETERMINATION OF CHLOROPHENOXY ACID AND DICAMBA HERBICIDE RESIDUES BY CAPILLARY REVERSED-PHASE LIQUID CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2000, 23, 755-767.	0.5	12
46	Simultaneous Enantiomeric Determination of Acidic Herbicides in Apple Juice Samples by Liquid Chromatography on a Teicoplanin Chiral Stationary Phase. <i>Food Analytical Methods</i> , 2013, 6, 535-547.	1.3	12
47	Trace priority pollutant phenols enrichment from water by ion chromatography. <i>Chromatographia</i> , 1995, 40, 91-95.	0.7	11
48	Matrix effect modelling in multivariate determination of priority pollutant chlorophenols in urine samples. <i>Analytica Chimica Acta</i> , 1999, 381, 93-102.	2.6	11
49	Determination of chlorine and bromine in automotive shredder residues by oxygen bomb and ion chromatography. <i>Waste Management and Research</i> , 2002, 20, 302-307.	2.2	11
50	Simultaneous flow-injection determination of o- and p-nitrophenol using a photodiode-array detector. <i>Analytica Chimica Acta</i> , 1992, 258, 269-273.	2.6	10
51	Determination of Pollutant Phenols by Capillary High-Performance Liquid Chromatography with UV Detection. <i>Journal of High Resolution Chromatography</i> , 2000, 23, 367-372.	2.0	10
52	Liquid Chromatography/Particle Beam/Mass Spectrometry Determination of Carbamates in Lettuce and Apple. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1998, 21, 1173-1183.	0.5	9
53	Characterization of AgNPs and AuNPs in sewage sludge by single particle inductively coupled plasma-mass spectrometry. <i>Talanta</i> , 2022, 238, 123033.	2.9	9
54	Liquid Chromatography Determination of Simazine and Antimycin A in Must. <i>Journal of Agricultural and Food Chemistry</i> , 1995, 43, 2883-2886.	2.4	8

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55	New approach to optimize HPLC separations of acid–base compounds with elution order involved, by using combined three-band resolution maps. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 2647-2656.	1.9	8
56	Direct chiral liquid chromatography determination of aryloxyphenoxypropionic herbicides in soil: deconvolution tools for peak processing. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 3547-3560.	1.9	8
57	A combined analytical-chemometric approach for the in vitro determination of polyphenol bioaccessibility by simulated gastrointestinal digestion. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 2739-2755.	1.9	8
58	Selective determination of Triton-type non-ionic surfactants in different samples by on-line clean-up and FIA. <i>Fresenius' Journal of Analytical Chemistry</i> , 1990, 337, 389-392.	1.5	6
59	Multicomponent analysis of chlorophenols by diode array derivative spectrophotometry. <i>Talanta</i> , 1991, 38, 1341-1346.	2.9	6
60	PRECONCENTRATION OF PHENOXY ACID HERBICIDE RESIDUES BY USING AN ION EXCHANGER BASED ON MFE-POLYMER. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1999, 22, 695-704.	0.5	6
61	Multivariate analysis of chlorophenols by diode array spectrophotometry. <i>Microchemical Journal</i> , 1991, 44, 339-346.	2.3	5
62	Pentachlorophenol preconcentration using quinolin-8-ol immobilized on controlled-pore glass and flow spectrophotometric determination. <i>Analytica Chimica Acta</i> , 1994, 288, 259-264.	2.6	5
63	Study of nitrophenols preconcentration using quinolin-8-ol immobilized on controlled-pore glass in the presence of iron(III). <i>Journal of Chromatography A</i> , 1999, 839, 227-232.	1.8	5
64	Improved picrate method for the spectrophotometric determination of non-ionic surfactants. <i>Analyst</i> , 1987, 112, 1323-1325.	1.7	4
65	Multivariate Optimization Approach for Chiral Resolution of Chlorophenoxy Acid Herbicides Using Teicoplanin as Chiral Selector in Capillary LC. <i>Chromatographia</i> , 2008, 67, 527-533.	0.7	4
66	Enantioselective determination of ibuprofen residues by chiral liquid chromatography: a systematic study of enantiomeric transformation in surface water and sediments. <i>Environmental Chemistry</i> , 2016, 13, 656.	0.7	4
67	SOLID-PHASE EXTRACTION OF CHLOROPHENOXY ACID HERBICIDES BY MEANS OF POLYMERIC RESINS FUNCTIONALIZED WITH QUATERNARY AMMONIUM GROUPS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2002, 25, 445-461.	0.5	3
68	Valorisation of the Green Waste Parts from Large-Leaved Buttercup (<i>Ranunculus macrophyllus</i> Desf.): Phenolic Profile and Health Promoting Effects Study. <i>Waste and Biomass Valorization</i> , 2021, 12, 4307-4318.	1.8	3
69	Preconcentration of pentachlorophenol from sawdust using quinolin-8-ol immobilized on controlled-pore glass and determination by liquid chromatography. <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 367, 93-95.	1.5	1