

Laura Escuder-Gilabert

List of Publications by Year in descending order

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57
papers

2,215
citations

394421

19
h-index

214800

47
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58
all docs

58
docs citations

58
times ranked

2435
citing authors

#	ARTICLE	IF	CITATIONS
1	A 21st century technique for food control: Electronic noses. <i>Analytica Chimica Acta</i> , 2009, 638, 1-15.	5.4	501
2	Review: Highlights in recent applications of electronic tongues in food analysis. <i>Analytica Chimica Acta</i> , 2010, 665, 15-25.	5.4	267
3	Electronic noses and tongues to assess food authenticity and adulteration. <i>Trends in Food Science and Technology</i> , 2016, 58, 40-54.	15.1	196
4	On-line monitoring of food fermentation processes using electronic noses and electronic tongues: A review. <i>Analytica Chimica Acta</i> , 2013, 804, 29-36.	5.4	117
5	Biopartitioning micellar chromatography: an in vitro technique for predicting human drug absorption. <i>Biomedical Applications</i> , 2001, 753, 225-236.	1.7	93
6	Biopartitioning micellar separation methods: modelling drug absorption. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 797, 21-35.	2.3	91
7	Cyclodextrins in capillary electrophoresis: Recent developments and new trends. <i>Journal of Chromatography A</i> , 2014, 1357, 2-23.	3.7	90
8	Quantitative Retention~Structure and Retention~Activity Relationship Studies of Local Anesthetics by Micellar Liquid Chromatography. <i>Analytical Chemistry</i> , 1998, 70, 28-34.	6.5	84
9	Characterization of interactions between polyphenolic compounds and human serum proteins by capillary electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 625-632.	3.7	77
10	Potential of biopartitioning micellar chromatography as an in vitro technique for predicting drug penetration across the blood~brain barrier. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 807, 193-201.	2.3	67
11	Modelling bioconcentration of pesticides in fish using biopartitioning micellar chromatography. <i>Journal of Chromatography A</i> , 2005, 1063, 153-160.	3.7	47
12	Biopartitioning micellar chromatography to predict ecotoxicity. <i>Analytica Chimica Acta</i> , 2001, 448, 173-185.	5.4	36
13	Chromatographic evaluation of the toxicity in fish of pesticides. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 814, 115-125.	2.3	34
14	Chromatographic quantitation of the hydrophobicity of ionic compounds by the use of micellar mobile phases. <i>Journal of Chromatography A</i> , 1998, 823, 549-559.	3.7	33
15	Development of predictive retention~activity relationship models of non-steroidal anti-inflammatory drugs by micellar liquid chromatography: comparison with immobilized artificial membrane columns. <i>Biomedical Applications</i> , 2000, 740, 59-70.	1.7	32
16	Comparison between sodium dodecylsulphate and cetyltrimethylammonium bromide as mobile phases in the micellar liquid chromatography determination of non-steroidal anti-inflammatory drugs in pharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 36, 393-399.	2.8	29
17	Reliability of the retention factor estimations in liquid chromatography. <i>Journal of Chromatography A</i> , 2004, 1033, 247-255.	3.7	24
18	Direct chromatographic study of the enantioselective biodegradation of ibuprofen and ketoprofen by an activated sludge. <i>Journal of Chromatography A</i> , 2018, 1568, 140-148.	3.7	24

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19	In-line capillary electrophoretic evaluation of the enantioselective metabolism of verapamil by cytochrome P3A4. <i>Journal of Chromatography A</i> , 2013, 1298, 139-145.	3.7	22
20	Analysis of pharmaceutical preparations containing local anesthetics by micellar liquid chromatography and spectrophotometric detection. <i>Chromatographia</i> , 1999, 49, 85-90.	1.3	21
21	Quality control of pharmaceuticals containing non-steroidal anti-inflammatory drugs by micellar liquid chromatography. <i>Chromatographia</i> , 2002, 55, 283-288.	1.3	20
22	Permeability and toxicological profile estimation of organochlorine compounds by biopartitioning micellar chromatography. <i>Biomedical Chromatography</i> , 2009, 23, 382-389.	1.7	20
23	Modeling the chiral resolution ability of highly sulfated β -cyclodextrin for basic compounds in electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2013, 1308, 152-160.	3.7	19
24	Quantitative retention- and migration-toxicity relationships of phenoxy acid herbicides in micellar liquid chromatography and micellar electrokinetic chromatography. <i>Analytica Chimica Acta</i> , 2001, 443, 191-203.	5.4	17
25	Chromatographic estimation of the soil-sorption coefficients of organic compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 122-132.	11.4	17
26	Permeability Profile Estimation of Flavonoids and other Phenolic Compounds by Biopartitioning Micellar Capillary Chromatography. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 8372-8379.	5.2	15
27	Microseparation techniques for the study of the enantioselectivity of drug-plasma protein binding. <i>Biomedical Chromatography</i> , 2009, 23, 225-238.	1.7	15
28	Fast evaluation of enantioselective drug metabolism by electrophoretically mediated microanalysis: Application to fluoxetine metabolism by CYP2D6. <i>Electrophoresis</i> , 2013, 34, 3214-3220.	2.4	15
29	Biopartitioning micellar chromatography: An alternative high-throughput method for assessing the ecotoxicity of anilines and phenols. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 852, 353-361.	2.3	14
30	Simultaneous Determination of Pyridoxine and Riboflavin in Energy Drinks by High-Performance Liquid Chromatography with Fluorescence Detection. <i>Journal of Chemical Education</i> , 2015, 92, 903-906.	2.3	14
31	Experimental-Like Affinity Constants and Enantioselectivity Estimates from Flexible Docking. <i>Journal of Chemical Information and Modeling</i> , 2012, 52, 2754-2759.	5.4	13
32	Evaluation of the enantioselective binding of imazalil to human serum albumin by capillary electrophoresis. <i>Biomedical Chromatography</i> , 2015, 29, 1637-1642.	1.7	12
33	Emerging approaches to estimate retention factors in high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2005, 1094, 24-33.	3.7	11
34	Uncertainty-Based Internal Quality Control. Harmonization Considerations. <i>Analytical Chemistry</i> , 2006, 78, 8113-8120.	6.5	11
35	Characterizing the interaction between enantiomers of eight psychoactive drugs and highly sulfated β -cyclodextrin by counter-current capillary electrophoresis. <i>Biomedical Chromatography</i> , 2014, 28, 120-126.	1.7	11
36	Connecting simulated, bioanalytical, and molecular docking data on the stereoselective binding of (Δ ±)-catechin to human serum albumin. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1899-1909.	3.7	10

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37	On the measurement of consistent long-term retention factor values in micellar liquid chromatography. <i>Analytica Chimica Acta</i> , 2007, 595, 19-27.	5.4	7
38	Enantioseparation of nuarimol by affinity electrokinetic chromatographyâ€‘partial filling technique using human serum albumin as chiral selector. <i>Journal of Separation Science</i> , 2008, 31, 3265-3271.	2.5	7
39	Trimeprazine is enantioselectively degraded by an activated sludge in ready biodegradability test conditions. <i>Water Research</i> , 2018, 141, 57-64.	11.3	7
40	The chromatographic quantification of hydrophobicity using micellar mobile phases. <i>Chromatographia</i> , 1999, 50, 325-332.	1.3	6
41	Chromatographic retentionâ€‘activity relationships for prediction of the toxicity pH-dependence of phenols. <i>Chemosphere</i> , 2007, 69, 108-117.	8.2	6
42	Fast-multivariate optimization of chiral separations in capillary electrophoresis: Anticipative strategies. <i>Journal of Chromatography A</i> , 2014, 1363, 331-337.	3.7	6
43	Enantioresolution in electrokinetic chromatography-complete filling technique using sulfated gamma-cyclodextrin. Software-free topological anticipation. <i>Journal of Chromatography A</i> , 2016, 1467, 391-399.	3.7	6
44	Modelling the enantioresolution capability of cellulose tris(3,5-dichlorophenylcarbamate) stationary phase in reversed phase conditions for neutral and basic chiral compounds. <i>Journal of Chromatography A</i> , 2018, 1567, 111-118.	3.7	6
45	Comparative modelling study on enantioresolution of structurally unrelated compounds with amylose-based chiral stationary phases in reversed phase liquid chromatography-mass spectrometry conditions. <i>Journal of Chromatography A</i> , 2020, 1625, 461281.	3.7	6
46	Chromatographic multivariate quality control of pharmaceuticals giving strongly overlapped peaks based on the chromatogram profile. <i>Journal of Chromatography A</i> , 2004, 1029, 135-144.	3.7	5
47	A diagnostic tool for determining the quality of accuracy validation. Assessing the method for determination of nitrate in drinking water. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 619-625.	3.7	5
48	Toward a Quality Guide to Facilitate the Transference of Analytical Methods from Research to Testing Laboratories: A Case Study. <i>Journal of AOAC INTERNATIONAL</i> , 2009, 92, 1821-1832.	1.5	4
49	Evaluation of enantioselective binding of propanocaine to human serum albumin by ultrafiltration and electrokinetic chromatography under intermediate precision conditions. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 889-890, 87-94.	2.3	4
50	Enantioselective Study on the Biodegradation of Verapamil and Citalopram by Chiral Capillary Electrophoresis. <i>Separations</i> , 2021, 8, 29.	2.4	4
51	Artificial neural networks to model the enantioresolution of structurally unrelated neutral and basic compounds with cellulose tris(3,5-dimethylphenylcarbamate) chiral stationary phase and aqueous-acetonitrile mobile phases. <i>Journal of Chromatography A</i> , 2022, 1672, 463048.	3.7	4
52	Comparative study on retention behaviour and enantioresolution of basic and neutral structurally unrelated compounds with cellulose-based chiral stationary phases in reversed phase liquid chromatography-mass spectrometry conditions. <i>Journal of Chromatography A</i> , 2022, 1673, 463073.	3.7	4
53	Reversed phase liquid chromatography for the enantioseparation of local anaesthetics in polysaccharide-based stationary phases. Application to biodegradability studies. <i>Journal of Chromatography A</i> , 2020, 1625, 461334.	3.7	3
54	Determination of lead and cadmium in seawater by differential pulse anodic stripping voltammetry: fit-for-purpose partial validation and internal quality aspects. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 277-286.	3.7	2

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55	Improved accuracy of environmentally relevant parameter estimates derived from biodegradation assays. <i>Environmental Pollution</i> , 2019, 255, 113275.	7.5	1
56	Anticipating the impact of pitfalls in kinetic biodegradation parameter estimation from substrate depletion curves of organic pollutants. <i>Environmental Pollution</i> , 2019, 252, 128-136.	7.5	1
57	Monod-based "single-data"™ strategy for biodegradation screening tests. <i>Environmental Chemistry</i> , 2020, 17, 278.	1.5	0