

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
g-index

58
all docs

58
docs citations

58
times ranked

2435
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Enantioselective Study on the Biodegradation of Verapamil and Citalopram by Chiral Capillary Electrophoresis. <i>Separations</i> , 2021, 8, 29.	2.4	4
4	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
5	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
6	Monod-based "single-data"™ strategy for biodegradation screening tests. <i>Environmental Chemistry</i> , 2020, 17, 278.	1.5	0
7	Improved accuracy of environmentally relevant parameter estimates derived from biodegradation assays. <i>Environmental Pollution</i> , 2019, 255, 113275.	7.5	1
8	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
9	Trimeprazine is enantioselectively degraded by an activated sludge in ready biodegradability test conditions. <i>Water Research</i> , 2018, 141, 57-64.	11.3	7
10	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
11	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
12	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
13	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
14	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
15	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
16	Characterizing the interaction between enantiomers of eight psychoactive drugs and highly sulfated γ -cyclodextrin by counter-current capillary electrophoresis. <i>Biomedical Chromatography</i> , 2014, 28, 120-126.	1.7	11
17	Fast-multivariate optimization of chiral separations in capillary electrophoresis: Anticipative strategies. <i>Journal of Chromatography A</i> , 2014, 1363, 331-337.	3.7	6
18	Cyclodextrins in capillary electrophoresis: Recent developments and new trends. <i>Journal of Chromatography A</i> , 2014, 1357, 2-23.	3.7	90

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19	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
20	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
21	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
22	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
23	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
24	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
25	Connecting simulated, bioanalytical, and molecular docking data on the stereoselective binding of (\pm)-catechin to human serum albumin. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1899-1909.	3.7	10
26	Review: Highlights in recent applications of electronic tongues in food analysis. <i>Analytica Chimica Acta</i> , 2010, 665, 15-25.	5.4	267
27	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
28	Permeability and toxicological profile estimation of organochlorine compounds by biopartitioning micellar chromatography. <i>Biomedical Chromatography</i> , 2009, 23, 382-389.	1.7	20
29	Microseparation techniques for the study of the enantioselectivity of drug-plasma protein binding. <i>Biomedical Chromatography</i> , 2009, 23, 225-238.	1.7	15
30	A 21st century technique for food control: Electronic noses. <i>Analytica Chimica Acta</i> , 2009, 638, 1-15.	5.4	501
31	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
32	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
33	Enantioseparation of nuarimol by affinity electrokinetic chromatography-partial filling technique using human serum albumin as chiral selector. <i>Journal of Separation Science</i> , 2008, 31, 3265-3271.	2.5	7
34	Chromatographic retention-activity relationships for prediction of the toxicity pH-dependence of phenols. <i>Chemosphere</i> , 2007, 69, 108-117.	8.2	6
35	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
36	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

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37	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
38	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
39	Uncertainty-Based Internal Quality Control. Harmonization Considerations. <i>Analytical Chemistry</i> , 2006, 78, 8113-8120.	6.5	11
40	Chromatographic estimation of the soil-sorption coefficients of organic compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 122-132.	11.4	17
41	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
42	Modelling bioconcentration of pesticides in fish using biopartitioning micellar chromatography. <i>Journal of Chromatography A</i> , 2005, 1063, 153-160.	3.7	47
43	Emerging approaches to estimate retention factors in high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2005, 1094, 24-33.	3.7	11
44	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
45	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
46	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
47	Reliability of the retention factor estimations in liquid chromatography. <i>Journal of Chromatography A</i> , 2004, 1033, 247-255.	3.7	24
48	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
49	Quality control of pharmaceuticals containing non-steroidal anti-inflammatory drugs by micellar liquid chromatography. <i>Chromatographia</i> , 2002, 55, 283-288.	1.3	20
50	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
51	Biopartitioning micellar chromatography to predict ecotoxicity. <i>Analytica Chimica Acta</i> , 2001, 448, 173-185.	5.4	36
52	Biopartitioning micellar chromatography: an in vitro technique for predicting human drug absorption. <i>Biomedical Applications</i> , 2001, 753, 225-236.	1.7	93
53	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
54	Analysis of pharmaceutical preparations containing local anesthetics by micellar liquid chromatography and spectrophotometric detection. <i>Chromatographia</i> , 1999, 49, 85-90.	1.3	21

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55	The chromatographic quantification of hydrophobicity using micellar mobile phases. <i>Chromatographia</i> , 1999, 50, 325-332.	1.3	6
56	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
57	Quantitative Retention ² -Structure and Retention ² -Activity Relationship Studies of Local Anesthetics by Micellar Liquid Chromatography. <i>Analytical Chemistry</i> , 1998, 70, 28-34.	6.5	84