

Maria-Jose Ruiz-Angel

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69
papers

2,886
citations

28
h-index

52
g-index

69
ext. papers

3,031
ext. citations

4.5
avg, IF

5.38
L-index

#	Paper	IF	Citations
69	Ionic liquids in separation techniques. <i>Journal of Chromatography A</i> , 2008 , 1184, 6-18	4.5	572
68	Recent advances on ionic liquid uses in separation techniques. <i>Journal of Chromatography A</i> , 2018 , 1559, 2-16	4.5	165
67	Elution-extrusion countercurrent chromatography. Use of the liquid nature of the stationary phase to extend the hydrophobicity window. <i>Analytical Chemistry</i> , 2003 , 75, 5886-94	7.8	156
66	Retention mechanisms in micellar liquid chromatography. <i>Journal of Chromatography A</i> , 2009 , 1216, 1798-814	4.5	120
65	Nonmolecular solvents in separation methods: dual nature of room temperature ionic liquids. <i>Analytical Chemistry</i> , 2005 , 77, 4071-80	7.8	120
64	Alkane effect in the Arizona liquid systems used in countercurrent chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 383, 327-40	4.4	115
63	Ionic liquids versus triethylamine as mobile phase additives in the analysis of beta-blockers. <i>Journal of Chromatography A</i> , 2006 , 1119, 202-8	4.5	97
62	On the use of ionic liquids as mobile phase additives in high-performance liquid chromatography. A review. <i>Analytica Chimica Acta</i> , 2015 , 883, 1-21	6.6	91
61	Solvent systems for countercurrent chromatography: an aqueous two phase liquid system based on a room temperature ionic liquid. <i>Journal of Chromatography A</i> , 2007 , 1151, 65-73	4.5	90
60	Countercurrent chromatography: people and applications. <i>Journal of Chromatography A</i> , 2009 , 1216, 4206-17	4.5	84
59	New Insights and Recent Developments in Micellar Liquid Chromatography. <i>Separation and Purification Reviews</i> , 2009 , 38, 45-96	7.3	81
58	Reversed phase liquid chromatography of alkyl-imidazolium ionic liquids. <i>Journal of Chromatography A</i> , 2006 , 1113, 101-8	4.5	76
57	The role of the dual nature of ionic liquids in the reversed-phase liquid chromatographic separation of basic drugs. <i>Journal of Chromatography A</i> , 2011 , 1218, 398-407	4.5	58
56	Micellar liquid chromatography: suitable technique for screening analysis. <i>Journal of Chromatography A</i> , 2002 , 947, 31-45	4.5	58
55	Peak half-width plots to study the effect of organic solvents on the peak performance of basic drugs in micellar liquid chromatography. <i>Journal of Chromatography A</i> , 2010 , 1217, 1786-98	4.5	46
54	Retention mechanisms for basic drugs in the submicellar and micellar reversed-phase liquid chromatographic modes. <i>Analytical Chemistry</i> , 2008 , 80, 9705-13	7.8	45
53	Optimised procedures for the reversed-phase liquid chromatographic analysis of formulations containing tricyclic antidepressants. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003 , 32, 71-84	3.5	45

52	Effects of pH and the presence of micelles on the resolution of diuretics by reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2004 , 1022, 51-65	4.5	43
51	Gaining insight in the behaviour of imidazolium-based ionic liquids as additives in reversed-phase liquid chromatography for the analysis of basic compounds. <i>Journal of Chromatography A</i> , 2015 , 1380, 96-103	4.5	42
50	Reversed-phase liquid chromatography analysis of alkyl-imidazolium ionic liquids II. Effects of different added salts and stationary phase influence. <i>Journal of Chromatography A</i> , 2008 , 1189, 476-82	4.5	40
49	Submicellar and micellar reversed-phase liquid chromatographic modes applied to the separation of beta-blockers. <i>Journal of Chromatography A</i> , 2009 , 1216, 3199-209	4.5	39
48	Reversed-phase liquid chromatography with mixed micellar mobile phases of Brij-35 and sodium dodecyl sulphate: a method for the analysis of basic compounds. <i>Green Chemistry</i> , 2015 , 17, 3561-3570	10	34
47	Half-width plots, a simple tool to predict peak shape, reveal column kinetics and characterise chromatographic columns in liquid chromatography: state of the art and new results. <i>Journal of Chromatography A</i> , 2013 , 1314, 142-53	4.5	34
46	Micellar-organic versus aqueous-organic mobile phases for the screening of Eblockers. <i>Analytica Chimica Acta</i> , 2002 , 454, 109-123	6.6	34
45	Reversed-phase liquid chromatography without organic solvent for determination of tricyclic antidepressants. <i>Journal of Separation Science</i> , 2012 , 35, 1303-9	3.4	30
44	Comparative study of solvation parameter models accounting the effects of mobile phase composition in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2007 , 1166, 85-96	4.5	29
43	Improvement of peak shape and separation performance of beta-blockers in conventional reversed-phase columns using solvent modifiers. <i>Journal of Chromatographic Science</i> , 2003 , 41, 350-8	1.4	28
42	Micellar versus hydro-organic mobile phases for retention-hydrophobicity relationship studies with ionizable diuretics and an anionic surfactant. <i>Journal of Chromatography A</i> , 2004 , 1030, 279-88	4.5	28
41	Comparison of two serially coupled column systems and optimization software in isocratic liquid chromatography for resolving complex mixtures. <i>Journal of Chromatography A</i> , 2013 , 1281, 94-105	4.5	25
40	Micellar versus hydro-organic reversed-phase liquid chromatography: a solvation parameter-based perspective. <i>Journal of Chromatography A</i> , 2008 , 1182, 176-96	4.5	23
39	Effect of short-chain alcohols on surfactant-mediated reversed-phase liquid chromatographic systems. <i>Journal of Chromatography A</i> , 2010 , 1217, 7082-9	4.5	21
38	Effect of ionization and the nature of the mobile phase in quantitative structure-retention relationship studies. <i>Journal of Chromatography A</i> , 2005 , 1063, 25-34	4.5	21
37	Implementation of gradients of organic solvent in micellar liquid chromatography using DryLab(®): separation of basic compounds in urine samples. <i>Journal of Chromatography A</i> , 2014 , 1344, 31-41	4.5	20
36	Chromatographic Efficiency in Micellar Liquid Chromatography: Should it Be Still a Topic of Concern?. <i>Separation and Purification Reviews</i> , 2013 , 42, 1-27	7.3	19
35	Performance of different C18 columns in reversed-phase liquid chromatography with hydro-organic and micellar-organic mobile phases. <i>Journal of Chromatography A</i> , 2014 , 1344, 76-82	4.5	19

34	Silanol suppressing potency of alkyl-imidazolium ionic liquids on C18 stationary phases. <i>Journal of Chromatography A</i> , 2012 , 1232, 166-75	4.5	19
33	Are analysts doing method validation in liquid chromatography?. <i>Journal of Chromatography A</i> , 2014 , 1353, 2-9	4.5	18
32	Prediction of peak shape in hydro-organic and micellar-organic liquid chromatography as a function of mobile phase composition. <i>Journal of Chromatography A</i> , 2007 , 1163, 119-27	4.5	18
31	Determination of furosemide in urine samples by direct injection in a micellar liquid chromatographic system. <i>Analyst, The</i> , 2002 , 127, 29-34	5	18
30	Performance of amines as silanol suppressors in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2016 , 1465, 98-106	4.5	18
29	High Submicellar Liquid Chromatography. <i>Separation and Purification Reviews</i> , 2014 , 43, 124-154	7.3	16
28	Performance of short-chain alcohols versus acetonitrile in the surfactant-mediated reversed-phase liquid chromatographic separation of Eb blockers. <i>Journal of Chromatography A</i> , 2010 , 1217, 7090-9	4.5	16
27	Performance of a Chromolith RP-18e column for the screening of beta-blockers. <i>Journal of Separation Science</i> , 2009 , 32, 2841-53	3.4	15
26	1-Hexyl-3-methyl imidazolium tetrafluoroborate: an efficient column enhancer for the separation of basic drugs by reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2012 , 1258, 168-175	4.5	13
25	Interpretive optimisation of organic solvent content and flow-rate in the separation of beta-blockers with a Chromolith RP-18e column. <i>Journal of Separation Science</i> , 2009 , 32, 2793-803	3.4	13
24	Origin and correction of the deviations in retention times at increasing flow rate with Chromolith columns. <i>Journal of Chromatography A</i> , 2010 , 1217, 5440-3	4.5	13
23	Hydrophobic and cation exchange mechanisms in the retention of basic compounds in a polymeric column. <i>Journal of Chromatography A</i> , 2004 , 1028, 139-48	4.5	13
22	Hydrophobicity of ionisable compounds studied by countercurrent chromatography. <i>Journal of Chromatography A</i> , 2011 , 1218, 6044-52	4.5	12
21	Ionic Liquid Based Headspace Solid-Phase Microextraction-Gas Chromatography for the Determination of Volatile Polar Organic Compounds. <i>Separation Science and Technology</i> , 2010 , 45, 2322-2328	2.5	12
20	Adsorption of the anionic surfactant sodium dodecyl sulfate on a C18 column under micellar and high submicellar conditions in reversed-phase liquid chromatography. <i>Journal of Separation Science</i> , 2015 , 38, 550-5	3.4	11
19	Identification of Leguminosae gums and evaluation of carob-guar mixtures by capillary zone electrophoresis of protein extracts. <i>Electrophoresis</i> , 2002 , 23, 1709-15	3.6	11
18	Extent of the influence of phosphate buffer and ionic liquids on the reduction of the silanol effect in a C18 stationary phase. <i>Journal of Chromatography A</i> , 2018 , 1559, 112-117	4.5	10
17	Oil-In-Water Microemulsion Liquid Chromatography. <i>Separation and Purification Reviews</i> , 2020 , 49, 89-113	7.3	10

16	Analysis of basic drugs by liquid chromatography with environmentally friendly mobile phases in pharmaceutical formulations. <i>Microchemical Journal</i> , 2017 , 134, 202-210	4.8	9
15	Control of propranolol intake by direct chromatographic detection of alpha-naphthoxylactic acid in urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002 , 767, 277-83	3.2	9
14	Effect of sodium dodecyl sulphate and Brij-35 on the analysis of sulphonamides in physiological samples using direct injection and acetonitrile gradients. <i>Analytical Methods</i> , 2016 , 8, 3941-3952	3.2	9
13	Suitability of 1-hexyl-3-methylimidazolium ionic liquids for the analysis of pharmaceutical formulations containing tricyclic antidepressants. <i>Journal of Chromatography A</i> , 2018 , 1559, 118-127	4.5	9
12	Protocol to compare column performance applied to hydrophilic interaction liquid chromatography. <i>Microchemical Journal</i> , 2019 , 149, 103973	4.8	7
11	Comparison of the performance of non-ionic and anionic surfactants as mobile phase additives in the RPLC analysis of basic drugs. <i>Journal of Separation Science</i> , 2011 , 34, 623-30	3.4	7
10	Correction of the deviations in the retention times with Chromolith columns associated to the flow rate: implications in the modelling of the retention behaviour. <i>Journal of Separation Science</i> , 2011 , 34, 931-8	3.4	6
9	Modulation of retention and selectivity in oil-in-water microemulsion liquid chromatography: A review. <i>Journal of Chromatography A</i> , 2019 , 1592, 91-100	4.5	5
8	Effect of buffer nature and concentration on the chromatographic performance of basic compounds in the absence and presence of 1-hexyl-3-methylimidazolium chloride. <i>Journal of Chromatography A</i> , 2019 , 1602, 397-408	4.5	5
7	Micellar liquid chromatography in doping control. <i>Bioanalysis</i> , 2009 , 1, 1225-41	2.1	4
6	Comparison of surfactant-mediated liquid chromatographic modes with sodium dodecyl sulphate for the analysis of basic drugs. <i>Analytical Methods</i> , 2020 , 12, 2443-2452	3.2	4
5	Search of non-ionic surfactants suitable for micellar liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 5043-5057	4.4	4
4	Analytical Techniques for Furosemide Determination. <i>Separation and Purification Reviews</i> , 2006 , 35, 39-58.3	3.3	3
3	Performance and modelling of retention in microemulsion liquid chromatography. <i>Journal of Chromatography A</i> , 2020 , 1634, 461651	4.5	1
2	LC of high to moderately polar basic drugs in urine with water and detergent, and direct injection. <i>Bioanalysis</i> , 2016 , 8, 1225-35	2.1	
1	Liquid chromatography Micellar Liquid Chromatography 2018 , 133-133		