Maria-Jose Ruiz-Angel

List of Publications by Year in Descending Order

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	Comparison of surfactant-mediated liquid chromatographic modes with sodium dodecyl sulphate for the analysis of basic drugs. *Analytical Methods*, **2020**, 12, 2443-2452	3.2	4
68	Performance and modelling of retention in microemulsion liquid chromatography. *Journal of Chromatography A*, **2020**, 1634, 461651	4.5	1
67	Oil-In-Water Microemulsion Liquid Chromatography. *Separation and Purification Reviews*, **2020**, 49, 89-111	7.3	10
66	Modulation of retention and selectivity in oil-in-water microemulsion liquid chromatography: A review. *Journal of Chromatography A*, **2019**, 1592, 91-100	4.5	5
65	Protocol to compare column performance applied to hydrophilic interaction liquid chromatography. *Microchemical Journal*, **2019**, 149, 103973	4.8	7
64	Effect of buffer nature and concentration on the chromatographic performance of basic compounds in the absence and presence of 1-hexyl-3-methylimidazolium chloride. *Journal of Chromatography A*, **2019**, 1602, 397-408	4.5	5
63	Extent of the influence of phosphate buffer and ionic liquids on the reduction of the silanol effect in a C18 stationary phase. *Journal of Chromatography A*, **2018**, 1559, 112-117	4.5	10
62	Recent advances on ionic liquid uses in separation techniques. *Journal of Chromatography A*, **2018**, 1559, 2-16	4.5	165
61	Suitability of 1-hexyl-3-methylimidazolium ionic liquids for the analysis of pharmaceutical formulations containing tricyclic antidepressants. *Journal of Chromatography A*, **2018**, 1559, 118-127	4.5	9
60	Liquid chromatography | Micellar Liquid Chromatography **2018**, 133-133		
59	Search of non-ionic surfactants suitable for micellar liquid chromatography. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 5043-5057	4.4	4
58	Analysis of basic drugs by liquid chromatography with environmentally friendly mobile phases in pharmaceutical formulations. *Microchemical Journal*, **2017**, 134, 202-210	4.8	9
57	Effect of sodium dodecyl sulphate and Brij-35 on the analysis of sulphonamides in physiological samples using direct injection and acetonitrile gradients. *Analytical Methods*, **2016**, 8, 3941-3952	3.2	9
56	Performance of amines as silanol suppressors in reversed-phase liquid chromatography. *Journal of Chromatography A*, **2016**, 1465, 98-106	4.5	18
55	LC of high to moderately polar basic drugs in urine with water and detergent, and direct injection. *Bioanalysis*, **2016**, 8, 1225-35	2.1	
54	Gaining insight in the behaviour of imidazolium-based ionic liquids as additives in reversed-phase liquid chromatography for the analysis of basic compounds. *Journal of Chromatography A*, **2015**, 1380, 96-103	4.5	42
53	Reversed-phase liquid chromatography with mixed micellar mobile phases of Brij-35 and sodium dodecyl sulphate: a method for the analysis of basic compounds. *Green Chemistry*, **2015**, 17, 3561-3570	10	34

52	On the use of ionic liquids as mobile phase additives in high-performance liquid chromatography. A review. *Analytica Chimica Acta*, **2015**, 883, 1-21	6.6	91
51	Adsorption of the anionic surfactant sodium dodecyl sulfate on a C18 column under micellar and high submicellar conditions in reversed-phase liquid chromatography. *Journal of Separation Science*, **2015**, 38, 550-5	3.4	11
50	Implementation of gradients of organic solvent in micellar liquid chromatography using DryLab( ): separation of basic compounds in urine samples. *Journal of Chromatography A*, **2014**, 1344, 31-41	4.5	20
49	Are analysts doing method validation in liquid chromatography?. *Journal of Chromatography A*, **2014**, 1353, 2-9	4.5	18
48	Performance of different C18 columns in reversed-phase liquid chromatography with hydro-organic and micellar-organic mobile phases. *Journal of Chromatography A*, **2014**, 1344, 76-82	4.5	19
47	High Submicellar Liquid Chromatography. *Separation and Purification Reviews*, **2014**, 43, 124-154	7.3	16
46	Chromatographic Efficiency in Micellar Liquid Chromatography: Should it Be Still a Topic of Concern?. *Separation and Purification Reviews*, **2013**, 42, 1-27	7.3	19
45	Comparison of two serially coupled column systems and optimization software in isocratic liquid chromatography for resolving complex mixtures. *Journal of Chromatography A*, **2013**, 1281, 94-105	4.5	25
44	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. *Journal of Chromatography A*, **2013**, 1314, 142-53	4.5	34
43	1-Hexyl-3-methyl imidazolium tetrafluoroborate: an efficient column enhancer for the separation of basic drugs by reversed-phase liquid chromatography. *Journal of Chromatography A*, **2012**, 1258, 168-74	4.5	13
42	Reversed-phase liquid chromatography without organic solvent for determination of tricyclic antidepressants. *Journal of Separation Science*, **2012**, 35, 1303-9	3.4	30
41	Silanol suppressing potency of alkyl-imidazolium ionic liquids on C18 stationary phases. *Journal of Chromatography A*, **2012**, 1232, 166-75	4.5	19
40	Hydrophobicity of ionisable compounds studied by countercurrent chromatography. *Journal of Chromatography A*, **2011**, 1218, 6044-52	4.5	12
39	Correction of the deviations in the retention times with Chromolith columns associated to the flow rate: implications in the modelling of the retention behaviour. *Journal of Separation Science*, **2011**, 34, 931-8	3.4	6
38	Comparison of the performance of non-ionic and anionic surfactants as mobile phase additives in the RPLC analysis of basic drugs. *Journal of Separation Science*, **2011**, 34, 623-30	3.4	7
37	The role of the dual nature of ionic liquids in the reversed-phase liquid chromatographic separation of basic drugs. *Journal of Chromatography A*, **2011**, 1218, 398-407	4.5	58
36	Ionic Liquid Based Headspace Solid-Phase Microextraction-Gas Chromatography for the Determination of Volatile Polar Organic Compounds. *Separation Science and Technology*, **2010**, 45, 2322-2328	2.5	12
35	Peak half-width plots to study the effect of organic solvents on the peak performance of basic drugs in micellar liquid chromatography. *Journal of Chromatography A*, **2010**, 1217, 1786-98	4.5	46

34	Origin and correction of the deviations in retention times at increasing flow rate with Chromolith columns. *Journal of Chromatography A*, **2010**, 1217, 5440-3	4.5	13
33	Performance of short-chain alcohols versus acetonitrile in the surfactant-mediated reversed-phase liquid chromatographic separation of β-blockers. *Journal of Chromatography A*, **2010**, 1217, 7090-9	4.5	16
32	Effect of short-chain alcohols on surfactant-mediated reversed-phase liquid chromatographic systems. *Journal of Chromatography A*, **2010**, 1217, 7082-9	4.5	21
31	Micellar liquid chromatography in doping control. *Bioanalysis*, **2009**, 1, 1225-41	2.1	4
30	Interpretive optimisation of organic solvent content and flow-rate in the separation of beta-blockers with a Chromolith RP-18e column. *Journal of Separation Science*, **2009**, 32, 2793-803	3.4	13
29	Performance of a Chromolith RP-18e column for the screening of beta-blockers. *Journal of Separation Science*, **2009**, 32, 2841-53	3.4	15
28	Retention mechanisms in micellar liquid chromatography. *Journal of Chromatography A*, **2009**, 1216, 1798-814	4.5	120
27	Countercurrent chromatography: people and applications. *Journal of Chromatography A*, **2009**, 1216, 4206-17	4.5	84
26	Submicellar and micellar reversed-phase liquid chromatographic modes applied to the separation of beta-blockers. *Journal of Chromatography A*, **2009**, 1216, 3199-209	4.5	39
25	New Insights and Recent Developments in Micellar Liquid Chromatography. *Separation and Purification Reviews*, **2009**, 38, 45-96	7.3	81
24	Retention mechanisms for basic drugs in the submicellar and micellar reversed-phase liquid chromatographic modes. *Analytical Chemistry*, **2008**, 80, 9705-13	7.8	45
23	Reversed-phase liquid chromatography analysis of alkyl-imidazolium ionic liquids II. Effects of different added salts and stationary phase influence. *Journal of Chromatography A*, **2008**, 1189, 476-82	4.5	40
22	Ionic liquids in separation techniques. *Journal of Chromatography A*, **2008**, 1184, 6-18	4.5	572
21	Micellar versus hydro-organic reversed-phase liquid chromatography: a solvation parameter-based perspective. *Journal of Chromatography A*, **2008**, 1182, 176-96	4.5	23
20	Solvent systems for countercurrent chromatography: an aqueous two phase liquid system based on a room temperature ionic liquid. *Journal of Chromatography A*, **2007**, 1151, 65-73	4.5	90
19	Prediction of peak shape in hydro-organic and micellar-organic liquid chromatography as a function of mobile phase composition. *Journal of Chromatography A*, **2007**, 1163, 119-27	4.5	18
18	Comparative study of solvation parameter models accounting the effects of mobile phase composition in reversed-phase liquid chromatography. *Journal of Chromatography A*, **2007**, 1166, 85-96	4.5	29
17	Analytical Techniques for Furosemide Determination. *Separation and Purification Reviews*, **2006**, 35, 39-58	7.3	3

16	Reversed phase liquid chromatography of alkyl-imidazolium ionic liquids. *Journal of Chromatography A*, **2006**, 1113, 101-8	4.5	76
15	Ionic liquids versus triethylamine as mobile phase additives in the analysis of beta-blockers. *Journal of Chromatography A*, **2006**, 1119, 202-8	4.5	97
14	Nonmolecular solvents in separation methods: dual nature of room temperature ionic liquids. *Analytical Chemistry*, **2005**, 77, 4071-80	7.8	120
13	Effect of ionization and the nature of the mobile phase in quantitative structure-retention relationship studies. *Journal of Chromatography A*, **2005**, 1063, 25-34	4.5	21
12	Alkane effect in the Arizona liquid systems used in countercurrent chromatography. *Analytical and Bioanalytical Chemistry*, **2005**, 383, 327-40	4.4	115
11	Hydrophobic and cation exchange mechanisms in the retention of basic compounds in a polymeric column. *Journal of Chromatography A*, **2004**, 1028, 139-48	4.5	13
10	Effects of pH and the presence of micelles on the resolution of diuretics by reversed-phase liquid chromatography. *Journal of Chromatography A*, **2004**, 1022, 51-65	4.5	43
9	Micellar versus hydro-organic mobile phases for retention-hydrophobicity relationship studies with ionizable diuretics and an anionic surfactant. *Journal of Chromatography A*, **2004**, 1030, 279-88	4.5	28
8	Improvement of peak shape and separation performance of beta-blockers in conventional reversed-phase columns using solvent modifiers. *Journal of Chromatographic Science*, **2003**, 41, 350-8	1.4	28
7	Optimised procedures for the reversed-phase liquid chromatographic analysis of formulations containing tricyclic antidepressants. *Journal of Pharmaceutical and Biomedical Analysis*, **2003**, 32, 71-84	3.5	45
6	Elution-extrusion countercurrent chromatography. Use of the liquid nature of the stationary phase to extend the hydrophobicity window. *Analytical Chemistry*, **2003**, 75, 5886-94	7.8	156
5	Identification of Leguminosae gums and evaluation of carob-guar mixtures by capillary zone electrophoresis of protein extracts. *Electrophoresis*, **2002**, 23, 1709-15	3.6	11
4	Control of propranolol intake by direct chromatographic detection of alpha-naphthoxylactic acid in urine. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2002** , 767, 277-83	3.2	9
3	Micellar-organic versus aqueous-organic mobile phases for the screening of β-blockers. *Analytica Chimica Acta*, **2002**, 454, 109-123	6.6	34
2	Micellar liquid chromatography: suitable technique for screening analysis. *Journal of Chromatography A*, **2002**, 947, 31-45	4.5	58
1	Determination of furosemide in urine samples by direct injection in a micellar liquid chromatographic system. *Analyst, The*, **2002**, 127, 29-34	5	18