

MarÃ-a Celia GarcÃ-a-Alvarez-Coque

List of Publications by Year in descending order

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275
papers

6,238
citations

71102

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275
all docs

275
docs citations

275
times ranked

2489
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionic liquids as mobile phase additives and immobilized on stationary phases in liquid chromatography. , 2022, , 203-234.		2
2	Chromatographic fingerprint-based analysis of extracts of green tea, lemon balm and linden: I. Development of global retention models without the use of standards. Journal of Chromatography A, 2022, 1672, 463060.	3.7	3
3	Interactions of basic compounds with ionic liquids used as oils in microemulsion liquid chromatography. Journal of Chromatography A, 2022, 1674, 463142.	3.7	2
4	Analysis of tricyclic antidepressants in pharmaceuticals by microemulsion liquid chromatography. Microchemical Journal, 2021, 160, 105659.	4.5	2
5	Global retention models and their application to the prediction of chromatographic fingerprints. Journal of Chromatography A, 2021, 1637, 461845.	3.7	11
6	Comparison of the Fitting Performance of Retention Models and Elution Strength Behaviour in Hydrophilic-Interaction and Reversed-Phase Liquid Chromatography. Separations, 2021, 8, 54.	2.4	4
7	Testing experimental designs in liquid chromatography (II): Influence of the design geometry on the prediction performance of retention models. Journal of Chromatography A, 2021, 1654, 462458.	3.7	6
8	Oil-In-Water Microemulsion Liquid Chromatography. Separation and Purification Reviews, 2020, 49, 89-111.	5.5	15
9	Multi-scale optimisation vs. genetic algorithms in the gradient separation of diuretics by reversed-phase liquid chromatography. Journal of Chromatography A, 2020, 1609, 460427.	3.7	7
10	Peak dispersion in gradient elution: An insight based on the plate model. Journal of Chromatography A, 2020, 1613, 460670.	3.7	1
11	Interpretive search of optimal isocratic and gradient separations in micellar liquid chromatography in extended organic solvent domains. Journal of Chromatography A, 2020, 1616, 460784.	3.7	3
12	Extension of the linear solvent strength retention model including a parameter that describes the elution strength changes in liquid chromatography. Journal of Chromatography A, 2020, 1615, 460757.	3.7	15
13	Modified Gaussian models applied to the description and deconvolution of peaks in chiral liquid chromatography. Journal of Chromatography A, 2020, 1625, 461273.	3.7	0
14	Performance and modelling of retention in microemulsion liquid chromatography. Journal of Chromatography A, 2020, 1634, 461651.	3.7	2
15	Testing experimental designs in liquid chromatography (I): Development and validation of a method for the comprehensive inspection of experimental designs. Journal of Chromatography A, 2020, 1624, 461180.	3.7	9
16	Classification of olive leaves and pulp extracts by comprehensive two-dimensional liquid chromatography of polyphenolic fingerprints. Food Chemistry, 2020, 320, 126630.	8.2	12
17	Hydrophilic Liquid Chromatography versus Reversed-Phase Liquid Chromatography in the Absence and the Presence of 1-Hexyl-3-methylimidazolium Chloride for the Analysis of Basic Compounds. Separations, 2020, 7, 30.	2.4	4
18	Extraction of β -blockers from urine with a polymeric monolith modified with 1-allyl-3-methylimidazolium chloride in spin column format. Talanta, 2020, 214, 120860.	5.5	21

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19	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.	2.7	7
20	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.	3.7	9
21	Modelling retention and peak shape of small polar solutes analysed by nano-HPLC using methacrylate-based monolithic columns. <i>Analytica Chimica Acta</i> , 2019, 1086, 142-155.	5.4	6
22	Modulation of retention and selectivity in oil-in-water microemulsion liquid chromatography: A review. <i>Journal of Chromatography A</i> , 2019, 1592, 91-100.	3.7	7
23	Protocol to compare column performance applied to hydrophilic interaction liquid chromatography. <i>Microchemical Journal</i> , 2019, 149, 103973.	4.5	9
24	Benefits of solvent concentration pulses in retention time modelling of liquid chromatography. <i>Journal of Chromatography A</i> , 2019, 1597, 76-88.	3.7	7
25	Enhancement in the computation of gradient retention times in liquid chromatography using root-finding methods. <i>Journal of Chromatography A</i> , 2019, 1600, 137-147.	3.7	12
26	Study of the column efficiency using gradient elution based on Van Deemter plots. <i>Journal of Chromatography A</i> , 2019, 1584, 126-134.	3.7	15
27	Gradient design for liquid chromatography using multi-scale optimization. <i>Journal of Chromatography A</i> , 2018, 1534, 32-42.	3.7	10
28	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.	3.7	13
29	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.	3.7	9
30	Liquid Chromatography: Strategies for Optimization. , 2018, , 252-252.		0
31	Micellar Liquid Chromatography â†. , 2018, , 133-133.		1
32	Estimation of peak capacity based on peak simulation. <i>Journal of Chromatography A</i> , 2018, 1574, 101-113.	3.7	5
33	Search of non-ionic surfactants suitable for micellar liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5043-5057.	3.7	6
34	Updating chromatographic predictions by accounting ageing for single and tandem columns. <i>Journal of Separation Science</i> , 2018, 41, 2719-2730.	2.5	1
35	Analysis of basic drugs by liquid chromatography with environmentally friendly mobile phases in pharmaceutical formulations. <i>Microchemical Journal</i> , 2017, 134, 202-210.	4.5	9
36	Assisted baseline subtraction in complex chromatograms using the BEADS algorithm. <i>Journal of Chromatography A</i> , 2017, 1507, 1-10.	3.7	15

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37	Characterization of chromatographic peaks using the linearly modified Gaussian model. Comparison with the bi-Gaussian and the Foley and Dorsey approaches. <i>Journal of Chromatography A</i> , 2017, 1515, 129-137.	3.7	4
38	Study of the performance of a resolution criterion to characterise complex chromatograms with unknowns or without standards. <i>Analytical Methods</i> , 2017, 9, 4293-4303.	2.7	6
39	Secondary chemical equilibria in reversed-phase liquid chromatography. , 2017, , 125-146.		1
40	Solvent selection in liquid chromatography. , 2017, , 343-373.		4
41	New Approaches to Evaluate the Dispersion Parameters in Liquid Chromatography Based on the Information Obtained from a Set of Compounds. <i>Current Chromatography</i> , 2017, 4, .	0.3	4
42	Optimisation of Chromatographic Resolution Using Objective Functions Including Both Time and Spectral Information. Part 2: Compounds Exhibiting Small Spectral Differences. <i>Current Chromatography</i> , 2016, 3, 34-43.	0.3	2
43	General Solution of the Extended Plate Model Including Diffusion, Slow Transfer Kinetics and Extra-Column Effects for Isocratic Chromatographic Elution. <i>Separations</i> , 2016, 3, 11.	2.4	2
44	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.	2.7	9
45	Performance of amines as silanol suppressors in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2016, 1465, 98-106.	3.7	26
46	LC of high to moderately polar basic drugs in urine with water and detergent, and direct injection. <i>Bioanalysis</i> , 2016, 8, 1225-1235.	1.5	0
47	Stationary phase modulation in liquid chromatography through the serial coupling of columns: A review. <i>Analytica Chimica Acta</i> , 2016, 923, 1-23.	5.4	55
48	Isocratic and gradient elution in micellar liquid chromatography with Brij-35. <i>Journal of Separation Science</i> , 2015, 38, 2059-2067.	2.5	10
49	Prediction of Peak Shape and Characterization of Column Performance in Liquid Chromatography as a Function of Flow Rate. <i>Chromatography (Basel)</i> , 2015, 2, 625-641.	1.2	2
50	Optimisation of chromatographic resolution using objective functions including both time and spectral information. <i>Journal of Chromatography A</i> , 2015, 1377, 75-84.	3.7	2
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.	3.7	47
52	A chromatographic objective function to characterise chromatograms with unknown compounds or without standards available. <i>Journal of Chromatography A</i> , 2015, 1409, 79-88.	3.7	10
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. <i>Green Chemistry</i> , 2015, 17, 3561-3570.	9.0	40
54	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.	5.4	109

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55	Serial versus parallel columns using isocratic elution: A comparison of multi-column approaches in mono-dimensional liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1390, 95-102.	3.7	18
56	An approach to evaluate the information in chromatographic fingerprints: Application to the optimisation of the extraction and conservation conditions of medicinal herbs. <i>Journal of Chromatography A</i> , 2015, 1422, 178-185.	3.7	9
57	Liquid Chromatography/Ion Pairing. , 2015, , .		2
58	Adsorption of the anionic surfactant sodium dodecyl sulfate on a C ₁₈ column under micellar and high submicellar conditions in reversed-phase liquid chromatography. <i>Journal of Separation Science</i> , 2015, 38, 550-555.	2.5	13
59	Interpretive Approaches to Optimize Serially-Coupled Columns in Reversed-Phase Liquid Chromatography. <i>Current Chromatography</i> , 2015, 2, 110-121.	0.3	5
60	Description of the Retention and Peak Profile for Chromolith Columns in Isocratic and Gradient Elution Using Mobile Phase Composition and Flow Rate as Factors. <i>Chromatography (Basel)</i> , 2014, 1, 194-210.	1.2	14
61	Optimisation of gradient elution with serially-coupled columns Part II: Multi-linear gradients. <i>Journal of Chromatography A</i> , 2014, 1373, 51-60.	3.7	15
62	Optimisation of gradient elution with serially-coupled columns. Part I: Single linear gradients. <i>Journal of Chromatography A</i> , 2014, 1350, 51-60.	3.7	24
63	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.	3.7	22
64	High Submicellar Liquid Chromatography. <i>Separation and Purification Reviews</i> , 2014, 43, 124-154.	5.5	18
65	Some insights on the description of gradient elution in reversed-phase liquid chromatography. <i>Journal of Separation Science</i> , 2014, 37, 2269-2277.	2.5	16
66	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.	3.7	21
67	Are analysts doing method validation in liquid chromatography?. <i>Journal of Chromatography A</i> , 2014, 1353, 2-9.	3.7	19
68	Chromatographic Efficiency in Micellar Liquid Chromatography: Should it Be Still a Topic of Concern?. <i>Separation and Purification Reviews</i> , 2013, 42, 1-27.	5.5	19
69	Simultaneous optimization of mobile phase composition, column nature and length to analyse complex samples using serially coupled columns. <i>Journal of Chromatography A</i> , 2013, 1317, 39-48.	3.7	13
70	Characterization of Chemical Composition along the Molar Mass Distribution in Polyolefin Copolymers by GPC Using a Modern Filter-based IR Detector. <i>Macromolecular Symposia</i> , 2013, 330, 63-80.	0.7	27
71	Secondary Chemical Equilibria in Reversed-Phase Liquid Chromatography. , 2013, , 87-104.		2
72	Solvent Selection in Liquid Chromatography. , 2013, , 225-249.		1

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73	New approaches based on modified Gaussian models for the prediction of chromatographic peaks. <i>Analytica Chimica Acta</i> , 2013, 758, 36-44.	5.4	12
74	Approaches to model the retention and peak profile in linear gradient reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2013, 1284, 28-35.	3.7	28
75	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.	3.7	28
76	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, 142-153.	3.7	42
77	Comparison of the performance of Chromolith Performance RP-18e, 1.8- μ m Zorbax Eclipse XDB-C18 and XTerra MS C18, based on modelling approaches. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2219-2231.	3.7	5
78	Measurement of the elution strength and peak shape enhancement at increasing modifier concentration and temperature in RPLC. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 2973-2984.	3.7	24
79	Filter-based infrared detectors for high temperature size exclusion chromatography analysis of polyolefins: Calibration with a small number of standards and error analysis. <i>Journal of Chromatography A</i> , 2012, 1257, 66-73.	3.7	23
80	A New Calibration Method for the Accurate Determination of Ethylene Content in Ethylene-Propylene Copolymers by CRYSTEX-IR. <i>Macromolecular Symposia</i> , 2012, 312, 157-166.	0.7	5
81	Systematic Approach for Calculating the Concentrations of Chemical Species in Multiequilibrium Problems: Inclusion of the Ionic Strength Effects. <i>Journal of Chemical Education</i> , 2012, 89, 900-904.	2.3	13
82	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, 168-174.	3.7	15
83	Reversed-phase liquid chromatography without organic solvent for determination of tricyclic antidepressants. <i>Journal of Separation Science</i> , 2012, 35, 1303-1309.	2.5	32
84	Silanol suppressing potency of alkyl-imidazolium ionic liquids on C18 stationary phases. <i>Journal of Chromatography A</i> , 2012, 1232, 166-175.	3.7	21
85	Approaches to find complementary separation conditions for resolving complex mixtures by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2012, 1229, 180-189.	3.7	9
86	Systematic Approach To Calculate the Concentration of Chemical Species in Multi-Equilibrium Problems. <i>Journal of Chemical Education</i> , 2011, 88, 169-173.	2.3	20
87	Optimal experimental designs in RPLC at variable solvent content and pH based on prediction error surfaces. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1217-1230.	3.7	9
88	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, 931-938.	2.5	6
89	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, 623-630.	2.5	8
90	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.	3.7	63

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91	A theoretical plate model accounting for slow kinetics in chromatographic elution. Journal of Chromatography A, 2011, 1218, 5166-5174.	3.7	12
92	Approaches to estimate the time and height at the peak maximum in liquid chromatography based on a modified Gaussian model. Journal of Chromatography A, 2011, 1218, 1385-1392.	3.7	6
93	Finding the best separation in situations of extremely low chromatographic resolution. Journal of Chromatography A, 2011, 1218, 2240-2251.	3.7	7
94	A complementary mobile phase approach based on the peak count concept oriented to the full resolution of complex mixtures. Journal of Chromatography A, 2011, 1218, 5829-5836.	3.7	4
95	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, 1786-1798.	3.7	49
96	Approaches to characterise chromatographic column performance based on global parameters accounting for peak broadening and skewness. Journal of Chromatography A, 2010, 1217, 2147-2157.	3.7	22
97	Origin and correction of the deviations in retention times at increasing flow rate with Chromolith columns. Journal of Chromatography A, 2010, 1217, 5440-5443.	3.7	14
98	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, 7090-7099.	3.7	17
99	Effect of short-chain alcohols on surfactant-mediated reversed-phase liquid chromatographic systems. Journal of Chromatography A, 2010, 1217, 7082-7089.	3.7	21
100	Performance of Markers and the Homologous Series Method for Dead Time Estimation in Reversed-Phase Liquid Chromatography. Journal of Liquid Chromatography and Related Technologies, 2009, 32, 1065-1083.	1.0	11
101	Micellar liquid chromatography in doping control. Bioanalysis, 2009, 1, 1225-1241.	1.5	5
102	Interpretive optimisation of organic solvent content and flow rate in the separation of β -blockers with a Chromolith RP18e column. Journal of Separation Science, 2009, 32, 2793-2803.	2.5	14
103	Performance of a Chromolith RP18e column for the screening of β -blockers. Journal of Separation Science, 2009, 32, 2841-2853.	2.5	16
104	Alternating iterative regression method for dead time estimation from experimental designs. Analytical and Bioanalytical Chemistry, 2009, 394, 625-636.	3.7	5
105	Retention mechanisms in micellar liquid chromatography. Journal of Chromatography A, 2009, 1216, 1798-1814.	3.7	139
106	Submicellar and micellar reversed-phase liquid chromatographic modes applied to the separation of β -blockers. Journal of Chromatography A, 2009, 1216, 3199-3209.	3.7	43
107	Combined effect of solvent content, temperature and pH on the chromatographic behaviour of ionisable compounds. III: Considerations about robustness. Journal of Chromatography A, 2009, 1216, 8891-8903.	3.7	6
108	New Insights and Recent Developments in Micellar Liquid Chromatography. Separation and Purification Reviews, 2009, 38, 45-96.	5.5	89

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109	Combined effect of solvent content, temperature and pH on the chromatographic behaviour of ionisable compounds. <i>Journal of Chromatography A</i> , 2008, 1193, 117-128.	3.7	17
110	Peak capacity estimation in isocratic elution. <i>Journal of Chromatography A</i> , 2008, 1205, 78-89.	3.7	11
111	Micellar versus hydro-organic reversed-phase liquid chromatography: A solvation parameter-based perspective. <i>Journal of Chromatography A</i> , 2008, 1182, 176-196.	3.7	25
112	Retention Mechanisms for Basic Drugs in the Submicellar and Micellar Reversed-Phase Liquid Chromatographic Modes. <i>Analytical Chemistry</i> , 2008, 80, 9705-9713.	6.5	49
113	Towards unsupervised analysis of second-order chromatographic data: Automated selection of number of components in multivariate curve-resolution methods. <i>Journal of Chromatography A</i> , 2007, 1158, 258-272.	3.7	10
114	Combined effect of solvent content, temperature and pH on the chromatographic behaviour of ionisable compounds. <i>Journal of Chromatography A</i> , 2007, 1163, 49-62.	3.7	34
115	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, 119-127.	3.7	18
116	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.	3.7	29
117	A comparative study of the performance of acetonitrile and methanol in the multi-linear gradient separation of proteic primary amino acids. <i>Analytica Chimica Acta</i> , 2007, 582, 250-258.	5.4	14
118	Analytical Techniques for Furosemide Determination. <i>Separation and Purification Reviews</i> , 2006, 35, 39-58.	5.5	5
119	Separation of Proteic Primary Amino Acids under Several Reversed-Phase Liquid Chromatographic Conditions. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006, 29, 2521-2536.	1.0	6
120	Models and objective functions for the optimisation of selectivity in reversed-phase liquid chromatography. <i>Analytica Chimica Acta</i> , 2006, 579, 125-145.	5.4	106
121	Levels in the interpretive optimisation of selectivity in high-performance liquid chromatography: A magical mystery tour. <i>Journal of Chromatography A</i> , 2006, 1120, 308-321.	3.7	58
122	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.	3.7	23
123	Limits of multi-linear gradient optimisation in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2005, 1063, 79-88.	3.7	43
124	Robust interpretive optimisation in high-performance liquid chromatography considering uncertainties in peak position. <i>Journal of Chromatography A</i> , 2005, 1096, 123-132.	3.7	14
125	Considerations on the modelling and optimisation of resolution of ionisable compounds in extended pH-range columns. <i>Journal of Chromatography A</i> , 2005, 1089, 170-186.	3.7	41
126	A new mathematical function for describing electrophoretic peaks. <i>Electrophoresis</i> , 2005, 26, 2076-2085.	2.4	7

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127	LIQUID CHROMATOGRAPHY Micellar. , 2005, , 164-172.		2
128	Chromatographic Determination of Thiols After Pre-column Derivatization with o-phthalaldehyde and Isoleucine. Journal of Liquid Chromatography and Related Technologies, 2004, 27, 1593-1609.	1.0	36
129	Prediction of peak shape as a function of retention in reversed-phase liquid chromatography. Journal of Chromatography A, 2004, 1022, 17-24.	3.7	28
130	Hydrophobic and cation exchange mechanisms in the retention of basic compounds in a polymeric column. Journal of Chromatography A, 2004, 1028, 139-148.	3.7	13
131	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.	3.7	45
132	Micellar versus hydro-organic mobile phases for retention-hydrophobicity relationship studies with ionizable diuretics and an anionic surfactant. Journal of Chromatography A, 2004, 1030, 279-288.	3.7	31
133	Analysis of a solute polarity parameter in reversed-phase liquid chromatography on a linear solvation relationship basis. Analytica Chimica Acta, 2004, 515, 209-227.	5.4	56
134	Enhancement of retention predictions in reversed-phase liquid chromatography using reference compounds. Analytica Chimica Acta, 2004, 518, 191-197.	5.4	6
135	Some observations on the prediction of retention in reversed-phase liquid chromatography using the pH as main factor. Analytica Chimica Acta, 2004, 521, 61-68.	5.4	9
136	Estimation of significant solvent concentration ranges and its application to the enhancement of the accuracy of gradient predictions. Journal of Chromatography A, 2004, 1057, 31-39.	3.7	17
137	A QSPR Study of the Solute Polarity Parameter to Estimate Retention in HPLC. Journal of Chemical Information and Computer Sciences, 2003, 43, 1240-1247.	2.8	38
138	A QSPR Study of the p Solute Polarity Parameter to Estimate Retention of HPLC.. ChemInform, 2003, 34, no.	0.0	0
139	Enhanced calculation of optimal gradient programs in reversed-phase liquid chromatography. Journal of Chromatography A, 2003, 1018, 183-196.	3.7	20
140	Error analysis and performance of different retention models in the transference of data from/to isocratic/gradient elution. Journal of Chromatography A, 2003, 1018, 169-181.	3.7	54
141	Optimised procedures for the reversed-phase liquid chromatographic analysis of formulations containing tricyclic antidepressants. Journal of Pharmaceutical and Biomedical Analysis, 2003, 32, 71-84.	2.8	45
142	Net analyte signal as a deconvolution-oriented resolution criterion in the optimisation of chromatographic techniques. Journal of Chromatography A, 2003, 991, 47-59.	3.7	22
143	Improvement of Peak Shape and Separation Performance of β -Blockers in Conventional Reversed-Phase Columns Using Solvent Modifiers. Journal of Chromatographic Science, 2003, 41, 350-358.	1.4	30
144	Solute-Solvent Interactions in Micellar Electrokinetic Chromatography. 6. Optimization of the Selectivity of Lithium Dodecyl Sulfate-Lithium Perfluorooctanesulfonate Mixed Micellar Buffers. Analytical Chemistry, 2002, 74, 4447-4455.	6.5	20

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145	RAPID LIQUID CHROMATOGRAPHIC DETERMINATION OF TETRACYCLINES IN ANIMAL FEEDS USING A SURFACTANT SOLUTION AS MOBILE PHASE. <i>Analytical Letters</i> , 2002, 35, 687-705.	1.8	30
146	Determination of furosemide in urine samples by direct injection in a micellar liquid chromatographic system. <i>Analyst, The</i> , 2002, 127, 29-34.	3.5	20
147	Towards the optimization of complementary systems in reversed-phase liquid chromatography. <i>Chromatographia</i> , 2002, 56, 699-707.	1.3	8
148	Control of propranolol intake by direct chromatographic detection of \pm -naphthoxylactic acid in urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 767, 277-283.	2.3	9
149	Parabolic-Lorentzian modified Gaussian model for describing and deconvolving chromatographic peaks. <i>Journal of Chromatography A</i> , 2002, 954, 59-76.	3.7	42
150	Micellar-organic versus aqueous-organic mobile phases for the screening of β -blockers. <i>Analytica Chimica Acta</i> , 2002, 454, 109-123.	5.4	36
151	Micellar liquid chromatography: suitable technique for screening analysis. <i>Journal of Chromatography A</i> , 2002, 947, 31-45.	3.7	62
152	Prediction of the retention in reversed-phase liquid chromatography using soluteâ€mobile phaseâ€stationary phase polarity parameters. <i>Journal of Chromatography A</i> , 2002, 955, 19-34.	3.7	66
153	Peak deconvolution in one-dimensional chromatography using a two-way data approach. <i>Journal of Chromatography A</i> , 2002, 958, 35-49.	3.7	18
154	Determination of active ingredients in coughâ€cold preparations by micellar liquid chromatography. <i>Talanta</i> , 2001, 54, 621-630.	5.5	41
155	MICELLAR CHROMATOGRAPHIC PROCEDURE WITH DIRECT INJECTION FOR THE DETERMINATION OF SULFONAMIDES IN MILK AND HONEY SAMPLES. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2001, 24, 117-131.	1.0	29
156	EVALUATION OF THE ELUTION STRENGTH OF THE SURFACTANT AND ORGANIC SOLVENT IN HYBRID MICELLAR MOBILE PHASES. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2001, 24, 2765-2783.	1.0	3
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