

MarÃ-a Celia GarcÃ-a-Alvarez-Coque

List of Publications by Year in descending order

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275
papers

6,238
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71102

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all docs

275
docs citations

275
times ranked

2489
citing authors

#	ARTICLE	IF	CITATIONS
1	A Model for the Description, Simulation, and Deconvolution of Skewed Chromatographic Peaks. <i>Analytical Chemistry</i> , 1997, 69, 3822-3831.	6.5	147
2	Formation and instability of o-phthalaldehyde derivatives of amino acids. <i>Analytical Biochemistry</i> , 1989, 178, 1-7.	2.4	145
3	Retention mechanisms in micellar liquid chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 1798-1814.	3.7	139
4	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
5	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
6	Solute–mobile phase and solute–stationary phase interactions in micellar liquid chromatography. A review. <i>Analyst</i> , The, 1992, 117, 831-837.	3.5	103
7	Modelling of retention behaviour of solutes in micellar liquid chromatography. <i>Journal of Chromatography A</i> , 1997, 780, 129-148.	3.7	96
8	New Insights and Recent Developments in Micellar Liquid Chromatography. <i>Separation and Purification Reviews</i> , 2009, 38, 45-96.	5.5	89
9	Hydrophobicity of Ionizable Compounds. A Theoretical Study and Measurements of Diuretic Octanol–Water Partition Coefficients by Countercurrent Chromatography. <i>Analytical Chemistry</i> , 1999, 71, 879-888.	6.5	86
10	Direct injection of physiological fluids in micellar liquid chromatography. <i>Biomedical Applications</i> , 1999, 736, 1-18.	1.7	71
11	Influence of the addition of modifiers on solute-micelle interaction in hybrid micellar liquid chromatography. <i>Chromatographia</i> , 1998, 48, 655-663.	1.3	67
12	Quantitative structure–retention and retention–activity relationships of β -blocking agents by micellar liquid chromatography. <i>Journal of Chromatography A</i> , 2001, 912, 211-221.	3.7	67
13	Interpretive strategy for optimization of surfactant and alcohol concentration in micellar liquid chromatography. <i>Journal of Chromatography A</i> , 1994, 677, 239-253.	3.7	66
14	Prediction of the retention in reversed-phase liquid chromatography using solute–mobile phase–stationary phase polarity parameters. <i>Journal of Chromatography A</i> , 2002, 955, 19-34.	3.7	66
15	Studies on the formation and stability of isoindoles derived from amino acids, o-phthalaldehyde and N-acetyl-l-cysteine. <i>Analytical Biochemistry</i> , 1989, 180, 172-176.	2.4	64
16	Modelling of the retention behaviour of solutes in micellar liquid chromatography with organic modifiers. <i>Journal of Chromatography A</i> , 1993, 639, 87-96.	3.7	63
17	Liquid chromatographic procedure for the evaluation of β -blockers in pharmaceuticals using hybrid micellar mobile phases. <i>Journal of Chromatography A</i> , 1997, 765, 221-231.	3.7	63
18	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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19	Chromatographic monitoring of diuretics in urine samples using a sodium dodecyl sulphate-propranolol micellar eluent. <i>Analytica Chimica Acta</i> , 1994, 287, 201-210.	5.4	62
20	Micellar liquid chromatography: suitable technique for screening analysis. <i>Journal of Chromatography A</i> , 2002, 947, 31-45.	3.7	62
21	Micellar Liquid Chromatography: A Worthy Technique for the Determination of β_2 -Antagonists in Urine Samples. <i>Analytical Chemistry</i> , 1999, 71, 319-326.	6.5	58
22	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
23	Analysis of a solute polarity parameter in reversed-phase liquid chromatography on a linear solvation relationship basis. <i>Analytica Chimica Acta</i> , 2004, 515, 209-227.	5.4	56
24	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
25	Determination of anabolic steroids in pharmaceuticals by liquid chromatography with a microemulsion of sodium dodecyl sulfate and pentanol as mobile phase. <i>Analytica Chimica Acta</i> , 1995, 302, 163-172.	5.4	54
26	Description of the partitioning behaviour of solutes and data treatment in micellar liquid chromatography with modifiers. <i>Analytica Chimica Acta</i> , 1996, 324, 163-173.	5.4	54
27	Error analysis and performance of different retention models in the transference of data from/to isocratic/gradient elution. <i>Journal of Chromatography A</i> , 2003, 1018, 169-181.	3.7	54
28	Effect of a Variety of Organic Additives on Retention and Efficiency in Micellar Liquid Chromatography. <i>Analytical Chemistry</i> , 2000, 72, 4826-4835.	6.5	52
29	Global treatment of chromatographic data with MICHROM. <i>Analytica Chimica Acta</i> , 1997, 348, 187-196.	5.4	49
30	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
31	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, 1786-1798.	3.7	49
32	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
33	Interpretive optimisation strategy applied to the isocratic separation of phenols by reversed-phase liquid chromatography with acetonitrile-water and methanol-water mobile phases. <i>Journal of Chromatography A</i> , 2000, 886, 31-46.	3.7	46
34	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.	2.8	45
35	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.	3.7	45
36	Evaluation of several global resolution functions for liquid chromatography. <i>Analytica Chimica Acta</i> , 1999, 396, 61-74.	5.4	44

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37	Furosemide assay in pharmaceuticals by Micellar liquid chromatography: study of the stability of the drug. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000, 23, 803-817.	2.8	43
38	Limits of multi-linear gradient optimisation in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2005, 1063, 79-88.	3.7	43
39	Submicellar and micellar reversed-phase liquid chromatographic modes applied to the separation of β -blockers. <i>Journal of Chromatography A</i> , 2009, 1216, 3199-3209.	3.7	43
40	Room-temperature phosphorimetry of polyaromatic hydrocarbons with organized media and paper substrate: A comparative study. <i>Talanta</i> , 1988, 35, 41-46.	5.5	42
41	Evaluation of diuretics in pharmaceuticals by high-performance liquid chromatography with a 0.05 mol dm ⁻³ sodium dodecyl sulfate ϵ 3% propanol mobile phase. <i>Analyst</i> , The, 1992, 117, 843-847.	3.5	42
42	Available Lysine in Protein, Assay Using o-Phthalaldehyde/ N-Acetyl-L-cysteine Spectrophotometric Method. <i>Journal of Food Science</i> , 1992, 57, 503-505.	3.1	42
43	Resolution assessment and performance of several organic modifiers in hybrid micellar liquid chromatography. <i>Analytica Chimica Acta</i> , 2001, 433, 187-198.	5.4	42
44	Parabolic-Lorentzian modified Gaussian model for describing and deconvolving chromatographic peaks. <i>Journal of Chromatography A</i> , 2002, 954, 59-76.	3.7	42
45	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
46	Description of the retention behaviour in micellar liquid chromatography as a function of pH, surfactant and modifier concentration. <i>Journal of Chromatography A</i> , 1997, 769, 155-168.	3.7	41
47	Determination of active ingredients in cough ϵ cold preparations by micellar liquid chromatography. <i>Talanta</i> , 2001, 54, 621-630.	5.5	41
48	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
49	Paper substrate room-temperature phosphorimetry of polyaromatic hydrocarbons enhanced by surface-active agents. <i>Analytical Chemistry</i> , 1988, 60, 416-420.	6.5	40
50	Chromatographic determination of diuretics in urine samples using hybrid micellar mobile phases with fluorimetric detection. <i>Analytica Chimica Acta</i> , 1998, 375, 143-154.	5.4	40
51	Comparison of the performance of butanol and pentanol as modifiers in the micellar chromatographic determination of some phenethylamines. <i>Journal of Chromatography A</i> , 2000, 866, 35-49.	3.7	40
52	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
53	Fluorescence in microemulsions and reversed micelles. <i>Analytica Chimica Acta</i> , 1988, 208, 1-19.	5.4	39
54	High-performance liquid chromatographic determination of diuretics in urine by micellar liquid chromatography. <i>Biomedical Applications</i> , 1992, 582, 189-194.	1.7	39

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55	Spectrophotometric Determination of Carbamate Pesticides With Diazotized Trimethylaniline in a Micellar Medium of Sodium Dodecyl Sulfate. <i>Analyst, The</i> , 1997, 122, 459-463.	3.5	38
56	Complementary mobile-phase optimisation for resolution enhancement in high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2000, 876, 17-35.	3.7	38
57	A QSPR Study of the Solute Polarity Parameter to Estimate Retention in HPLC. <i>Journal of Chemical Information and Computer Sciences</i> , 2003, 43, 1240-1247.	2.8	38
58	High-performance micellar liquid chromatography determination of sulphonamides in pharmaceuticals after azodye precolumn derivatization. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1995, 13, 237-245.	2.8	37
59	Reduction of Convective Low-Frequency Noise in Thermal Lens Spectrometry. <i>Applied Spectroscopy</i> , 1990, 44, 1501-1507.	2.2	36
60	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
61	Chromatographic Determination of Thiols After Pre-column Derivatization with o-phthalaldehyde and Isoleucine. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004, 27, 1593-1609.	1.0	36
62	Use of a three-factor interpretive optimisation strategy in the development of an isocratic chromatographic procedure for the screening of diuretics in urine samples using micellar mobile phases. <i>Journal of Chromatography A</i> , 2000, 893, 321-337.	3.7	34
63	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
64	Quantitation of hydrophobicity in micellar liquid chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 1999, 18, 533-543.	11.4	33
65	Micelle-stabilized room-temperature phosphorimetric procedure for the determination of naproxen and propranolol in pharmaceutical preparations. <i>Analyst, The</i> , 1994, 119, 1093-1097.	3.5	32
66	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
67	A micellar liquid chromatographic procedure for the determination of amiloride, bendroflumethiazide, chlorthalidone, spironolactone and triamterene in pharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1993, 11, 711-716.	2.8	31
68	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, 279-288.	3.7	31
69	Spectrophotometric determination of N-acetylcysteine in drug formulations with o-phthalaldehyde and isoleucine. <i>Analyst, The</i> , 1989, 114, 975-977.	3.5	30
70	Chromatographic analysis of phenethylamine-antihistamine combinations using C8, C18 or cyano columns and micellar sodium dodecyl sulfate-pentanol mixtures. <i>Analyst, The</i> , 2001, 126, 457-464.	3.5	30
71	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
72	Improvement of Peak Shape and Separation Performance of β -Blockers in Conventional Reversed-Phase Columns Using Solvent Modifiers. <i>Journal of Chromatographic Science</i> , 2003, 41, 350-358.	1.4	30

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73	Determination of Amino Acids by Micellar High-Performance Liquid Chromatography and Pre-column Derivatization with O-Phthalaldehyde and N-Acetyl-L-cysteine. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1995, 18, 2827-2841.	1.0	29
74	A three-factor optimisation strategy for micellar liquid chromatography. <i>Chromatographia</i> , 2000, 51, 101-110.	1.3	29
75	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
76	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
77	Colorimetric determination of arylamines and sulphonamides by diazotization and coupling in a micellar solution. <i>Analytica Chimica Acta</i> , 1989, 223, 327-337.	5.4	28
78	Micellar enhanced spectrophotometric determination of organic species. <i>TrAC - Trends in Analytical Chemistry</i> , 1995, 14, 29-37.	11.4	28
79	Prediction of peak shape as a function of retention in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2004, 1022, 17-24.	3.7	28
80	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
81	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
82	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
83	Performance of micellar mobile phases in reversed-phase chromatography for the analysis of pharmaceuticals containing β -blockers and other antihypertensive drugs. <i>Analyst, The</i> , 1996, 121, 1677-1682.	3.5	26
84	Analysis of Urine Samples Containing Cardiovascular Drugs by Micellar Liquid Chromatography with Fluorimetric Detection. <i>Journal of Chromatographic Science</i> , 1999, 37, 93-102.	1.4	26
85	Performance of amines as silanol suppressors in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2016, 1465, 98-106.	3.7	26
86	Modelling of the elution behaviour in hybrid micellar eluents with different organic modifiers. <i>Analytica Chimica Acta</i> , 1999, 381, 275-285.	5.4	25
87	A hybrid genetic algorithm with local search: I. Discrete variables: optimisation of complementary mobile phases. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2001, 59, 89-106.	3.5	25
88	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
89	Spectrophotometric determination of phenols by coupling with diazotized 2,4,6-trimethylaniline in a micellar medium. <i>Analyst, The</i> , 1994, 119, 1381-1386.	3.5	24
90	Determination of sulphonamides in human urine by azo dye precolumn derivatization and micellar liquid chromatography. <i>Biomedical Applications</i> , 1995, 670, 183-187.	1.7	24

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91	Liquid chromatographic determination of some thiazide diuretics in pharmaceuticals with a sodium dodecyl sulfate mobile phase. <i>Analyst, The</i> , 1998, 123, 301-306.	3.5	24
92	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
93	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
94	Micellar liquid chromatographic separation of amino acids using pre- and post-column o-phthalaldehyde/ N -acetylcysteine derivatization. <i>Analytica Chimica Acta</i> , 2000, 418, 153-165.	5.4	23
95	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
96	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
97	Paper-substrate room-temperature phosphorescence of phenothiazine derivatives enhanced by thallium(I) nitrate and surface-active agents. <i>Analytica Chimica Acta</i> , 1988, 204, 247-258.	5.4	22
98	Determination of the protein and free amino acid content in a sample using o-phthalaldehyde and N-acetyl-L-cysteine. <i>Analyst, The</i> , 1990, 115, 1125-1128.	3.5	22
99	Net analyte signal as a deconvolution-oriented resolution criterion in the optimisation of chromatographic techniques. <i>Journal of Chromatography A</i> , 2003, 991, 47-59.	3.7	22
100	Approaches to characterise chromatographic column performance based on global parameters accounting for peak broadening and skewness. <i>Journal of Chromatography A</i> , 2010, 1217, 2147-2157.	3.7	22
101	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
102	On the Measurement of Dead Time in Micellar Liquid Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1996, 19, 1205-1228.	1.0	21
103	Use of Micellar Mobile Phases for the Chromatographic Determination of Clorazepate, Diazepam, and Diltiazem in Pharmaceuticals. <i>Journal of Chromatographic Science</i> , 2000, 38, 521-527.	1.4	21
104	Effect of short-chain alcohols on surfactant-mediated reversed-phase liquid chromatographic systems. <i>Journal of Chromatography A</i> , 2010, 1217, 7082-7089.	3.7	21
105	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
106	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
107	Extraction of Î²-blockers from urine with a polymeric monolith modified with 1-allyl-3-methylimidazolium chloride in spin column format. <i>Talanta</i> , 2020, 214, 120860.	5.5	21
108	Solute-Solvent Interactions in Micellar Electrokinetic Chromatography. 6. Optimization of the Selectivity of Lithium Dodecyl Sulfate-Lithium Perfluorooctanesulfonate Mixed Micellar Buffers. <i>Analytical Chemistry</i> , 2002, 74, 4447-4455.	6.5	20

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109	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
110	Enhanced calculation of optimal gradient programs in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2003, 1018, 183-196.	3.7	20
111	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
112	Formation rates and protonation constants of azo dyes in a sodium dodecylsulphate micellar solution. <i>Talanta</i> , 1991, 38, 1285-1289.	5.5	19
113	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
114	Are analysts doing method validation in liquid chromatography?. <i>Journal of Chromatography A</i> , 2014, 1353, 2-9.	3.7	19
115	Determination of Pyrrole Derivatives and Hydroxyproline with 4-(Dimethylamino)benzaldehyde in a Micellar Medium. <i>Analytical Letters</i> , 1994, 27, 1557-1567.	1.8	18
116	Correlation between hydrophobicity of amino acids and retention data in reversed-phase liquid chromatography with micellar eluents. <i>Chromatographia</i> , 1995, 41, 455-461.	1.3	18
117	MICELLAR LIQUID CHROMATOGRAPHIC DETERMINATION OF ANTI-CONVULSANT DRUGS IN PILLS AND CAPSULES. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2000, 23, 1387-1401.	1.0	18
118	Flow-injection spectrophotometric determination of nicotinic acid in micellar medium of N-cetylpyridinium chloride. <i>Analytica Chimica Acta</i> , 2001, 427, 93-100.	5.4	18
119	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
120	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
121	High Submicellar Liquid Chromatography. <i>Separation and Purification Reviews</i> , 2014, 43, 124-154.	5.5	18
122	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
123	Ultratrace Determination of Metals with Dithizone by Thermal Lens Spectrophotometry. <i>Applied Spectroscopy</i> , 1988, 42, 341-346.	2.2	17
124	Conventional and thermal lens spectrophotometric determination of p-aminobenzoic acid and arylamine diuretics previous azodye formation in a micellar medium. <i>Talanta</i> , 1993, 40, 1711-1718.	5.5	17
125	A hybrid genetic algorithm with local search. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2001, 59, 107-120.	3.5	17
126	Estimation of significant solvent concentration ranges and its application to the enhancement of the accuracy of gradient predictions. <i>Journal of Chromatography A</i> , 2004, 1057, 31-39.	3.7	17

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127	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
128	Performance of short-chain alcohols versus acetonitrile in the surfactant-mediated reversed-phase liquid chromatographic separation of β -blockers. <i>Journal of Chromatography A</i> , 2010, 1217, 7090-7099.	3.7	17
129	Spectrophotometric determination of mercury(II) and silver(I) with copper(II) and diethyldithiocarbamate in the presence of triton X-100. <i>Talanta</i> , 1986, 33, 697-699.	5.5	16
130	Micellar modified spectrophotometric determination of nitrobenzenes based upon reduction with tin(II), diazotisation and coupling with the Bratton-Marshall reagent. <i>Talanta</i> , 1998, 47, 43-52.	5.5	16
131	Correlation between hydrophobicity and retention data of several antihistamines in reversed-phase liquid chromatography with aqueous-organic and micellar-organic mobile phases. <i>Analytica Chimica Acta</i> , 2000, 421, 45-55.	5.4	16
132	Retention-structure relationship studies for some steroidal hormones in micellar liquid chromatography. <i>Chromatographia</i> , 2000, 51, 577-585.	1.3	16
133	Performance of a Chromolith RP18e column for the screening of β -blockers. <i>Journal of Separation Science</i> , 2009, 32, 2841-2853.	2.5	16
134	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
135	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
136	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
137	Assisted baseline subtraction in complex chromatograms using the BEADS algorithm. <i>Journal of Chromatography A</i> , 2017, 1507, 1-10.	3.7	15
138	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
139	Oil-In-Water Microemulsion Liquid Chromatography. <i>Separation and Purification Reviews</i> , 2020, 49, 89-111.	5.5	15
140	Extension of the linear solvent strength retention model including a parameter that describes the elution strength changes in liquid chromatography. <i>Journal of Chromatography A</i> , 2020, 1615, 460757.	3.7	15
141	Determination of total free amino acids with o-phthalaldehyde and N-acetyl-L-cysteine. <i>Microchemical Journal</i> , 1990, 42, 288-293.	4.5	14
142	An Automatic System for Thermal Lens Spectrometry and Flowing Samples. <i>Analytical Letters</i> , 1992, 25, 573-592.	1.8	14
143	Spectrophotometric Determination of the Antihistamines, Carbinoxamine Maleate and Doxylamine Succinate, in an N-Cetylpyridinium Chloride Micellar Medium. <i>Analytical Letters</i> , 1996, 29, 1399-1413.	1.8	14
144	Micellar liquid Chromatographic determination of diuretics by diazotization and coupling with the Bratton-Marshall reagent. <i>Analytica Chimica Acta</i> , 1997, 353, 215-226.	5.4	14

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