

Samuel Carda Broch

List of Publications by Year in descending order

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121
papers

4,992
citations

126858

33
h-index

102432

66
g-index

127
all docs

127
docs citations

127
times ranked

4426
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	Direct injection green chromatographic method for simultaneous quantification of amoxicillin and amikacin in maternity hospital wastewater (Sagar, India). Environmental Pollution, 2022, 296, 118719.	3.7	2
3	NEW CHALLENGES DURING PANDEMIC TIMES FOR LABORATORY SUBJECTS. INTED Proceedings, 2022, , .	0.0	0
4	INTRODUCING ENGLISH AS A CLASSROOM LANGUAGE AT THE MASTERâ€™S DEGREE IN THE SUBJECT INSTRUMENTATION OF THE CLINICAL LABORATORY. INTED Proceedings, 2022, , .	0.0	0
5	Liquid chromatography, a valuable tool in the determination of antibiotics in biological, food and environmental samples. Microchemical Journal, 2022, 177, 107309.	2.3	28
6	Recent Advances on Ionic Liquid Uses in Separation Techniques. Separations, 2022, 9, 96.	1.1	2
7	Application of Micellar Liquid Chromatographic Method for Rapid Screening of Ceftriaxone, Metronidazole, Amoxicillin, Amikacin and Ciprofloxacin in Hospital Wastewater from Sagar District, India. , 2022, , 100003.		3
8	Screening of some banned aromatic amines in textile products from Indian bandhani and gamthi fabric and in human sweat using micellar liquid chromatography. Microchemical Journal, 2021, 165, 106134.	2.3	7
9	Determination of albendazole and ivermectin residues in cattle and poultry-derived samples from India by micellar liquid chromatography. Journal of Food Composition and Analysis, 2021, 103, 104111.	1.9	10
10	Oil-In-Water Microemulsion Liquid Chromatography. Separation and Purification Reviews, 2020, 49, 89-111.	2.8	15
11	A rapid and reliable assay to determine flumequine, marbofloxacin, difloxacin, and sarafloxacin in commonly consumed meat by micellar liquid chromatography. Journal of the Science of Food and Agriculture, 2019, 99, 1375-1383.	1.7	15
12	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.	1.8	9
13	Modulation of retention and selectivity in oil-in-water microemulsion liquid chromatography: A review. Journal of Chromatography A, 2019, 1592, 91-100.	1.8	7
14	Procedure for the Screening of Eggs and Egg Products to Detect Oxolonic Acid, Ciprofloxacin, Enrofloxacin, and Sarafloxacin Using Micellar Liquid Chromatography. Antibiotics, 2019, 8, 226.	1.5	9
15	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.	1.8	13
16	Recent advances on ionic liquid uses in separation techniques. Journal of Chromatography A, 2018, 1559, 2-16.	1.8	233
17	Optimization and Validation of a Chromatographic Method for the Quantification of Isoniazid in Urine of Tuberculosis Patients According to the European Medicines Agency Guideline. Antibiotics, 2018, 7, 107.	1.5	13
18	Validation of a procedure to quantify oxolinic acid, danofloxacin, ciprofloxacin and enrofloxacin in selected meats by micellar liquid chromatography according to EU Commission Decision 2002/657/EC. Electrophoresis, 2017, 38, 2011-2017.	1.3	9

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19	Analysis of basic drugs by liquid chromatography with environmentally friendly mobile phases in pharmaceutical formulations. <i>Microchemical Journal</i> , 2017, 134, 202-210.	2.3	9
20	Determination of oxolinic acid, danofloxacin, ciprofloxacin, and enrofloxacin in porcine and bovine meat by micellar liquid chromatography with fluorescence detection. <i>Food Chemistry</i> , 2017, 221, 1277-1284.	4.2	47
21	LC of high to moderately polar basic drugs in urine with water and detergent, and direct injection. <i>Bioanalysis</i> , 2016, 8, 1225-1235.	0.6	0
22	Use of micellar liquid chromatography for rapid monitoring of fungicides post harvest applied to citrus wastewater. <i>Journal of Environmental Sciences</i> , 2016, 42, 284-292.	3.2	18
23	Use of micellar liquid chromatography to analyze oxolinic acid, flumequine, marbofloxacin and enrofloxacin in honey and validation according to the 2002/657/EC decision. <i>Food Chemistry</i> , 2016, 202, 316-323.	4.2	22
24	Analysis of danofloxacin, difloxacin, ciprofloxacin and sarafloxacin in honey using micellar liquid chromatography and validation according to the 2002/657/EC decision. <i>Analytical Methods</i> , 2015, 7, 6165-6172.	1.3	16
25	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.	2.6	109
26	Analysis of thiabendazole, 4-tert-octylphenol and chlorpyrifos in waste and sewage water by direct injection " micellar liquid chromatography. <i>Analyst, The</i> , 2015, 140, 1739-1746.	1.7	19
27	Validation of Rapid Microbiological Methods. <i>Journal of the Association for Laboratory Automation</i> , 2015, 20, 259-264.	2.8	12
28	Validation of a Serum Analysis Method to Analyze Antihistamines by Capillary Electrophoresis. <i>Hindawi Journal of Chemistry</i> , 2014, 2014, 1-6.	1.6	0
29	DETERMINATION OF ALPHA-BETA ARTEETHER IN PHARMACEUTICAL PRODUCTS USING DIRECT INJECTION MICELLAR LIQUID CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2014, 37, 1929-1939.	0.5	0
30	Use of micellar liquid chromatography to analyze darunavir, ritonavir, emtricitabine, and tenofovir in plasma. <i>Journal of Separation Science</i> , 2014, 37, 2825-2832.	1.3	12
31	Determination of Paroxetine in Blood and Urine Using Micellar Liquid Chromatography with Electrochemical Detection. <i>Journal of Chromatographic Science</i> , 2014, 52, 1217-1223.	0.7	16
32	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.	1.8	22
33	High Submicellar Liquid Chromatography. <i>Separation and Purification Reviews</i> , 2014, 43, 124-154.	2.8	18
34	A micellar liquid chromatography method for the quantification of abacavir, lamivudine and raltegravir in plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 98, 351-355.	1.4	13
35	Determination of selective serotonin reuptake inhibitors in plasma and urine by micellar liquid chromatography coupled to fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 965, 142-149.	1.2	14
36	Method validation. <i>Journal of Chromatography A</i> , 2014, 1353, 1.	1.8	0

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37	Are analysts doing method validation in liquid chromatography?. Journal of Chromatography A, 2014, 1353, 2-9.	1.8	19
38	Development and validation of a micellar liquid chromatography-based method to quantify melamine in swine kidney. Food Control, 2014, 46, 168-173.	2.8	23
39	Quantification of Tamoxifen in Pharmaceutical Formulations Using Micellar Liquid Chromatography. Analytical Sciences, 2014, 30, 925-930.	0.8	12
40	Chromatographic Efficiency in Micellar Liquid Chromatography: Should it Be Still a Topic of Concern?. Separation and Purification Reviews, 2013, 42, 1-27.	2.8	19
41	Evaluation of biogenic amines in fish sauce by derivatization with 3,5-dinitrobenzoyl chloride and micellar liquid chromatography. Journal of Food Composition and Analysis, 2013, 29, 32-36.	1.9	18
42	Validation of micellar LC-based methods applied to analyze foodstuffs. Bioanalysis, 2013, 5, 481-494.	0.6	9
43	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, 142-153.	1.8	42
44	Quantification of Melamine in Drinking Water and Wastewater by Micellar Liquid Chromatography. Journal of AOAC INTERNATIONAL, 2013, 96, 870-874.	0.7	17
45	Micellar Liquid Chromatography: Recent Advances and Applications. Chromatography Research International, 2012, 2012, 1-2.	0.4	5
46	Use of micellar mobile phases for the chromatographic determination of melamine in dietetic supplements. Analyst, The, 2012, 137, 269-274.	1.7	27
47	Micellar Liquid Chromatography Determination of Spermine in Fish Sauce after Derivatization with 3,5-Dinitrobenzoyl Chloride. Chromatography Research International, 2012, 2012, 1-6.	0.4	4
48	Micellar Liquid Chromatographic Determination of Carbaryl and 1-Naphthol in Water, Soil, and Vegetables. International Journal of Analytical Chemistry, 2012, 2012, 1-7.	0.4	15
49	Monitoring of HAART regime antiretrovirals in serum of acquired immunodeficiency syndrome patients by micellar liquid chromatography. Analyst, The, 2012, 137, 4327.	1.7	13
50	Is it really necessary to validate an analytical method or not? That is the question. Journal of Chromatography A, 2012, 1232, 101-109.	1.8	105
51	Determination of some banned aromatic amines in waste water using micellar liquid chromatography. Analytical Methods, 2011, 3, 2032.	1.3	17
52	Development and Validation of Micellar Liquid Chromatographic Methods for the Determination of Antibiotics in Different Matrixes. Journal of AOAC INTERNATIONAL, 2011, 94, 775-785.	0.7	8
53	Hydrophobicity of ionisable compounds studied by countercurrent chromatography. Journal of Chromatography A, 2011, 1218, 6044-6052.	1.8	12
54	Quinolones control in milk and eggs samples by liquid chromatography using a surfactant-mediated mobile phase. Analytical and Bioanalytical Chemistry, 2011, 400, 1303-1313.	1.9	21

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55	Application of a liquid chromatographic procedure for the analysis of penicillin antibiotics in biological fluids and pharmaceutical formulations using sodium dodecyl sulphate/propanol mobile phases and direct injection. <i>Journal of Chromatography A</i> , 2011, 1218, 4972-4981.	1.8	23
56	Analytical determination of hydroxytyrosol in olive extract samples by micellar liquid chromatography. <i>Food Chemistry</i> , 2011, 129, 614-618.	4.2	20
57	Analysis of selected veterinary antibiotics in fish by micellar liquid chromatography with fluorescence detection and validation in accordance with regulation 2002/657/EC. <i>Food Chemistry</i> , 2010, 123, 1294-1302.	4.2	65
58	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.	1.8	49
59	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.	1.8	17
60	Effect of short-chain alcohols on surfactant-mediated reversed-phase liquid chromatographic systems. <i>Journal of Chromatography A</i> , 2010, 1217, 7082-7089.	1.8	21
61	Direct injection and determination of the active principles of spices using micellar liquid chromatography. <i>Food Chemistry</i> , 2010, 120, 915-920.	4.2	11
62	SIMULTANEOUS SEPARATION AND DETERMINATION OF QUINOLONES IN PHARMACEUTICALS BY MICELLAR LIQUID CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 33, 513-525.	0.5	12
63	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.	1.3	12
64	Determination of the Insecticide Imidacloprid in Fruit Juices Using Micellar High-Performance Liquid Chromatography. <i>Journal of AOAC INTERNATIONAL</i> , 2009, 92, 1551-1556.	0.7	11
65	Micellar liquid chromatography in doping control. <i>Bioanalysis</i> , 2009, 1, 1225-1241.	0.6	5
66	Analysis of omeprazole and its main metabolites by liquid chromatography using hybrid micellar mobile phases. <i>Analytica Chimica Acta</i> , 2009, 633, 250-256.	2.6	28
67	Validation of a MLC method with fluorescence detection for the determination of quinolones in urine samples by direct injection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3975-3981.	1.2	16
68	Retention mechanisms in micellar liquid chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 1798-1814.	1.8	139
69	Countercurrent chromatography: People and applications. <i>Journal of Chromatography A</i> , 2009, 1216, 4206-4217.	1.8	93
70	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.	1.8	43
71	Column Classification and Selection for the Determination of Antibiotics by Micellar Liquid Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009, 32, 1127-1140.	0.5	4
72	Development and validation of a method to determine amoxicillin in physiological fluids using micellar liquid chromatography. <i>Journal of Separation Science</i> , 2008, 31, 2813-2819.	1.3	9

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73	Anserine and carnosine determination in meat samples by pure micellar liquid chromatography. <i>Journal of Chromatography A</i> , 2008, 1189, 444-450.	1.8	67
74	Ionic liquids in separation techniques. <i>Journal of Chromatography A</i> , 2008, 1184, 6-18.	1.8	614
75	Retention Mechanisms for Basic Drugs in the Submicellar and Micellar Reversed-Phase Liquid Chromatographic Modes. <i>Analytical Chemistry</i> , 2008, 80, 9705-9713.	3.2	49
76	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.	1.8	94
77	Determination of trazodone in urine and pharmaceuticals using micellar liquid chromatography with fluorescence detection. <i>Journal of Chromatography A</i> , 2007, 1156, 254-258.	1.8	29
78	Determination of sulfonamides in milk after precolumn derivatisation by micellar liquid chromatography. <i>Analytica Chimica Acta</i> , 2007, 593, 152-156.	2.6	26
79	Simultaneous determination of tyramine and tryptamine and their precursor amino acids by micellar liquid chromatography and pulsed amperometric detection in wines. <i>Journal of Chromatography A</i> , 2007, 1156, 288-295.	1.8	38
80	Analytical Techniques for Furosemide Determination. <i>Separation and Purification Reviews</i> , 2006, 35, 39-58.	2.8	5
81	Ionic liquids versus triethylamine as mobile phase additives in the analysis of β -blockers. <i>Journal of Chromatography A</i> , 2006, 1119, 202-208.	1.8	106
82	Micellar liquid chromatographic determination of five antianginals in pharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 1235-1242.	1.4	19
83	Direct determination of verapamil in urine and serum samples by micellar liquid chromatography and fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 839, 89-94.	1.2	31
84	Photostability studies for micellar liquid chromatographic determination of nifedipine in serum and urine samples. <i>Biomedical Chromatography</i> , 2006, 20, 154-160.	0.8	13
85	Micellar liquid chromatography for the determination of drug materials in pharmaceutical preparations and biological samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2005, 24, 75-91.	5.8	110
86	Direct injection determination of benzoylecgonine, heroin, 6-monoacetylmorphine and morphine in serum by MLC. <i>Journal of Chromatography A</i> , 2005, 1073, 277-283.	1.8	19
87	Monitoring bronchodilators with direct injection. <i>Journal of Chromatography A</i> , 2005, 1073, 309-315.	1.8	9
88	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.	1.8	23
89	Amitriptyline and nortriptyline serum determination by micellar liquid chromatography. <i>Journal of Pharmacological and Toxicological Methods</i> , 2005, 52, 323-329.	0.3	34
90	Therapeutic monitoring of imipramine and desipramine by micellar liquid chromatography with direct injection and electrochemical detection. <i>Biomedical Chromatography</i> , 2005, 19, 343-349.	0.8	25

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91	Simultaneous Determination of Three Opiates in Serum by Micellar Liquid Chromatography Using Direct Injection. <i>Journal of AOAC INTERNATIONAL</i> , 2005, 88, 428-435.	0.7	4
92	Rapid Determination of Acetaminophen in Physiological Fluids by Liquid Chromatography Using SDS Mobile Phase and ED Detection. <i>Journal of Chromatographic Science</i> , 2005, 43, 313-318.	0.7	27
93	Direct Injection Analysis of Epinephrine, Norepinephrine, and their Naturally Occurring Derivatives in Serum by Micellar Liquid Chromatography with Electrochemical Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005, 28, 3265-3281.	0.5	13
94	Use of the ionic liquid 1-butyl-3-methylimidazolium hexafluorophosphate in countercurrent chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 380, 168-77.	1.9	70
95	Determination of liquid-liquid partition coefficients by separation methods. <i>Journal of Chromatography A</i> , 2004, 1037, 3-14.	1.8	225
96	Micellar liquid chromatography determination of some biogenic amines with electrochemical detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 36, 357-363.	1.4	24
97	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.	1.8	31
98	Micellar liquid chromatographic determination of nicotinic acid and nicotinamide after precolumn K ⁺ reaction derivatization. <i>Analytica Chimica Acta</i> , 2004, 517, 81-87.	2.6	22
99	Solvent properties of the 1-butyl-3-methylimidazolium hexafluorophosphate ionic liquid. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 191-199.	1.9	479
100	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.	1.4	45
101	Ionic matrices for matrix-assisted laser desorption/ionization time-of-flight detection of DNA oligomers. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 553-560.	0.7	139
102	pH dependence of the hydrophobicity of β -blocker amine compounds measured by counter-current chromatography. <i>Journal of Chromatography A</i> , 2003, 995, 55-66.	1.8	37
103	Elution-Extrusion Countercurrent Chromatography. Use of the Liquid Nature of the Stationary Phase To Extend the Hydrophobicity Window. <i>Analytical Chemistry</i> , 2003, 75, 5886-5894.	3.2	166
104	A New Class of Solvents for CCC: The Room Temperature Ionic Liquids. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2003, 26, 1493-1508.	0.5	56
105	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.	0.7	30
106	Determination of furosemide in urine samples by direct injection in a micellar liquid chromatographic system. <i>Analyst</i> , 2002, 127, 29-34.	1.7	20
107	Micellar-organic versus aqueous-organic mobile phases for the screening of β -blockers. <i>Analytica Chimica Acta</i> , 2002, 454, 109-123.	2.6	36
108	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.	1.8	67

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109	HYDRO-ORGANIC AND MICELLAR-ORGANIC REVERSED-PHASE LIQUID CHROMATOGRAPHIC PROCEDURES FOR THE EVALUATION OF SULPHONAMIDES IN PHARMACEUTICALS. <i>Analytical Letters</i> , 2001, 34, 1189-1203.	1.0	14
110	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.	1.8	34
111	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.	1.4	43
112	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.	0.5	18
113	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.	0.7	21
114	Analysis of Urine Samples Containing Cardiovascular Drugs by Micellar Liquid Chromatography with Fluorimetric Detection. <i>Journal of Chromatographic Science</i> , 1999, 37, 93-102.	0.7	26
115	Direct injection of physiological fluids in micellar liquid chromatography. <i>Biomedical Applications</i> , 1999, 736, 1-18.	1.7	71
116	Evaluation of several global resolution functions for liquid chromatography. <i>Analytica Chimica Acta</i> , 1999, 396, 61-74.	2.6	44
117	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.	3.2	86
118	CHROMATOGRAPHIC DETECTION OF SESQUITERPENE LACTONES IN PARTHENIUM PLANTS FROM NORTHWEST ARGENTINA. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1999, 22, 909-921.	0.5	2
119	Chromatographic determination of diuretics in urine samples using hybrid micellar mobile phases with fluorimetric detection. <i>Analytica Chimica Acta</i> , 1998, 375, 143-154.	2.6	40
120	Liquid chromatographic determination of some thiazide diuretics in pharmaceuticals with a sodium dodecyl sulfate mobile phase. <i>Analyst</i> , The, 1998, 123, 301-306.	1.7	24
121	Micellar liquid Chromatographic determination of diuretics by diazotization and coupling with the Bratton-Marshall reagent. <i>Analytica Chimica Acta</i> , 1997, 353, 215-226.	2.6	14