Daniel W Armstrong

List of Publications by Year
in descending order

475	29,306	4120 87	7931 149
papers	citations	h-index	g-index

480	480	480	13050
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Future perspectives for ionic liquids. , 2022, , 369-394.		1
2	Ionic liquids as gas chromatography stationary phases. , 2022, , 171-202.		2
3	Enhanced carboxypeptidase efficacies and differentiation of peptide epimers. Analytical Biochemistry, 2022, 642, 114451.	1.1	4
4	Liquid chromatography enantiomeric separation of chiral ethanolamine substituted compounds. Chirality, 2022, , .	1.3	2
5	An examination of the effects of water on normal phase enantioseparations. Analytica Chimica Acta, 2022, 1200, 339608.	2.6	8
6	Enantioselective UHPLC Screening Combined with In Silico Modeling for Streamlined Development of Ultrafast Enantiopurity Assays. Analytical Chemistry, 2022, 94, 1804-1812.	3.2	31
7	High information spectroscopic detection techniques for gas chromatography. Journal of Chromatography A, 2022, 1676, 463255.	1.8	13
8	Insights into enantioselective separations of ionic metal complexes by sub/supercritical fluid chromatography. Analytica Chimica Acta, 2022, 1228, 340156.	2.6	3
9	Macrocyclic glycopeptides- and derivatized cyclofructan-based chiral stationary phases for the enantioseparation of fluorinated ÃŸ-phenylalanine analogs. Journal of Pharmaceutical and Biomedical Analysis, 2022, 219, 114912.	1.4	4
10	Enantioseparation performance of superficially porous particle vancomycin-based chiral stationary phases in supercritical fluid chromatography and high performance liquid chromatography; applicability for psychoactive substances. Journal of Chromatography A, 2021, 1637, 461846.	1.8	20
11	The theory and practice of ultrafast liquid chromatography: A tutorial. Analytica Chimica Acta, 2021, 1151, 238170.	2.6	17
12	Arsenic sequestration by iron oxide coated geopolymer microspheres. Journal of Cleaner Production, 2021, 291, 125931.	4.6	24
13	Development and validation of a fast HPLC method for methyldopa enantiomers using superficially porous particle based macrocyclic glycopeptide stationary phase. Microchemical Journal, 2021, 164, 105957.	2.3	9
14	Evaluation of gas chromatography for the separation of a broad range of isotopic compounds. Analytica Chimica Acta, 2021, 1165, 338490.	2.6	10
15	A Closer Examination of 6-Aminoquinolyl-N-Hydroxysuccinimidyl Carbamate Amino Acid Derivatization in HPLC with Multiple Detection Modes. Chromatographia, 2021, 84, 719-727.	0.7	7
16	Ionizable Cyclofructan 6-Based Stationary Phases for Hydrophilic Interaction Liquid Chromatography Using Superficially Porous Particles. Chromatographia, 2021, 84, 821-832.	0.7	2
17	Rapid and selective separation of amyloid beta from its stereoisomeric point mutations implicated in neurodegenerative Alzheimerâ€™s disease. Analytica Chimica Acta, 2021, 1163, 338506.	2.6	5
18	Enantioseparation of ÃŸ-amino acids by liquid chromatography using core-shell chiral stationary phases based on teicoplanin and teicoplanin aglycone. Journal of Chromatography A, 2021, 1653, 462383.	1.8	7

#	Article	IF	Citations
19	Chiral resolution and absolute configuration determination of new metal-based photodynamic therapy antitumor agents. Journal of Pharmaceutical and Biomedical Analysis, 2021, 204, 114233.	1.4	6
20	Headspace study of chiral interconversion of N-acetyl-homocysteine thiolactones. Journal of Chromatography A, 2021, 1653, 462381.	1.8	1
21	High efficiency functionalized hydrophilic cyclofructans as stationary phases in sub/supercritical fluid chromatography. Talanta, 2021, 232, 122308.	2.9	8
22	Enantiomeric Separation of New Chiral Azole Compounds. Molecules, 2021, 26, 213.	1.7	6
23	Enhancing Sensitivity for High-Selectivity Gas Chromatography-Molecular Rotational Resonance Spectroscopy. Analytical Chemistry, 2021, 93, 15525-15533.	3.2	6
24	Production of both <scp>l</scp>â€•and <scp>d</scp>â€•Nâ€acylâ€homoserine lactones by Burkholderia cepacia and Vibrio fischeri. MicrobiologyOpen, 2021, 10, e1242.	1.2	4
25	A Gas Chromatographyâ€Molecular Rotational Resonance Spectroscopy Based System of Singular Specificity. Angewandte Chemie - International Edition, 2020, 59, 192-196.	7.2	13
26	Enhancing the selectivity of polar hydrophilic analytes with a low concentration of barium ions in the mobile phase using geopolymers and silica supports. Talanta, 2020, 207, 120339.	2.9	1
27	Enantioselective potential of teicoplanin- and vancomycin-based superficially porous particles-packed columns for supercritical fluid chromatography. Journal of Chromatography A, 2020, 1612, 460687.	1.8	18
28	Complete identification of all 20 relevant epimeric peptides in Î²-amyloid: a new HPLC-MS based analytical strategy for Alzheimer's research. Chemical Communications, 2020, 56, 1537-1540.	2.2	20
29	A Gas Chromatographyâ€Molecular Rotational Resonance Spectroscopy Based System of Singular Specificity. Angewandte Chemie, 2020, 132, 198-202.	1.6	5
30	Water determination. , 2020, , 459-477.		3
31	Roles of N-methyl-d-aspartate receptors and d-amino acids in cancer cell viability. Molecular Biology Reports, 2020, 47, 6749-6758.	1.0	12
32	Enhancing supercritical fluid chromatographic efficiency: Predicting effects of small aqueous additives. Analytica Chimica Acta, 2020, 1120, 75-84.	2.6	21
33	Enantiomeric separation of quorum sensing autoinducer homoserine lactones using GC-MS and LC-MS. Analytical and Bioanalytical Chemistry, 2020, 412, 2927-2937.	1.9	9
34	Quantification of aminobutyric acids and their clinical applications as biomarkers for osteoporosis. Communications Biology, 2020, 3, 39.	2.0	39
35	Replacing methanol with azeotropic ethanol as the co-solvent for improved chiral separations with supercritical fluid chromatography (SFC). Green Chemistry, 2020, 22, 1249-1257.	4.6	40
36	Improving peak capacities over 100 in less than 60 seconds: operating above normal peak capacity limits with signal processing. Analytical and Bioanalytical Chemistry, 2020, 412, 1925-1932.	1.9	7

#	Article	IF	Citations
37	Enantiorecognition ability of different chiral selectors for separation of liquid crystals in supercritical fluid chromatography; critical evaluation. Journal of Chromatography A, 2020, 1622, 461138.	1.8	11
38	Gas Chromatography Columns Using Ionic Liquids as Stationary Phase. Green Chemistry and Sustainable Technology, 2020, , 131-165.	0.4	5
39	Enantiomeric impurities in chiral catalysts, auxiliaries, and synthons used in enantioselective syntheses. Part 5. Chirality, 2019, 31, 688-699.	1.3	6
40	Synthetic aluminosilicate based geopolymers â€“ Second generation geopolymer HPLC stationary phases. Analytica Chimica Acta, 2019, 1081, 209-217.	2.6	6
41	Fast super/subcritical fluid chromatographic enantioseparations on superficially porous particles bonded with broad selectivity chiral selectors relative to fully porous particles. Journal of Chromatography A, 2019, 1605, 360339.	1.8	37
42	Extending the power transform approach for recovering areas of overlapping peaks. Journal of Separation Science, 2019, 42, 3604-3610.	1.3	12
43	Ramifications and Insights on the Role of Water in Chiral Sub/Supercritical Fluid Chromatography. Analytical Chemistry, 2019, 91, 14672-14680.	3.2	45
44	Triple Helical Ir(ppy) 3 Phenylene Cage Prepared by Diolâ€Mediated Benzannulation: Synthesis, Resolution, Absolute Stereochemistry and Photophysical Properties. Chemistry - A European Journal, 2019, 25, 8719-8724.	1.7	6
45	Cyclofructans as Chiral Selectors: An Overview. Methods in Molecular Biology, 2019, 1985, 183-200.	0.4	9
46	Comparison of reversed-phase, anion-exchange, and hydrophilic interaction HPLC for the analysis of nucleotides involved in biological enzymatic pathways. Journal of Liquid Chromatography and Related Technologies, 2019, 42, 184-193.	0.5	7
47	Fabrication of interconnected macroporosity in geopolymers via inverse suspension polymerization. Journal of the American Ceramic Society, 2019, 102, 4405-4409.	1.9	8
48	Selective Depletion of Chiral 4-Hydroxypraziquantel Metabolites in Three Types of Aquaculture Fish by LC-MS/MS. Journal of Agricultural and Food Chemistry, 2019, 67, 4098-4104.	2.4	5
49	The utility of statistical moments in chromatography using trapezoidal and Simpson's rules of peak integration. Journal of Separation Science, 2019, 42, 1644-1657.	1.3	21
50	Increasing chromatographic resolution of analytical signals using derivative enhancement approach. Talanta, 2019, 192, 492-499.	2.9	21
51	Mass Spectrometry-Compatible Enantiomeric Separations of 100 Pesticides Using Coreâ€“Shell Chiral Stationary Phases and Evaluation of Iterative Curve Fitting Models for Overlapping Peaks. Chromatographia, 2019, 82, 221-233.	0.7	21
52	Power Law Approach as a Convenient Protocol for Improving Peak Shapes and Recovering Areas from Partially Resolved Peaks. Chromatographia, 2019, 82, 211-220.	0.7	18
53	Sensitive detection of topiramate degradation products by highâ€performance liquid chromatography/electrospray ionization mass spectrometry using ionâ€pairing reagents and polarity switching. Rapid Communications in Mass Spectrometry, 2019, 33, 116-124.	0.7	8
54	Altered profiles and metabolism of l- and d-amino acids in cultured human breast cancer cells vs. non-tumorigenic human breast epithelial cells. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 421-429.	1.4	36

#	Article	IF	Citations
55	Macrocyclic glycopeptide chiral selectors bonded to core-shell particles enables enantiopurity analysis of the entire verubecestat synthetic route. Journal of Chromatography A, 2018, 1539, 87-92.	1.8	48
56	Physicochemical properties of branched-chain dicationic ionic liquids. Journal of Molecular Liquids, 2018, 256, 247-255.	2.3	41
57	Sensitive analysis of N-blocked amino acids using high-performance liquid chromatography with paired ion electrospray ionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2018, 410, 4725-4735.	1.9	5
58	Separations at the Speed of Sensors. Analytical Chemistry, 2018, 90, 3349-3356.	3.2	49
59	Dicationic ionic liquid thermal decomposition pathways. Analytical and Bioanalytical Chemistry, 2018, 410, 4645-4655.	1.9	28
60	Improved rate of substrate oxidation catalyzed by genetically-engineered myoglobin. Archives of Biochemistry and Biophysics, 2018, 639, 44-51.	1.4	5
61	Branched-chain dicationic ionic liquids for fatty acid methyl ester assessment by gas chromatography. Analytical and Bioanalytical Chemistry, 2018, 410, 4633-4643.	1.9	22
62	A comprehensive methodology for the chiral separation of 40 tobacco alkaloids and their carcinogenicÂE/Z-(R,S)-tobacco-specific nitrosamine metabolites. Talanta, 2018, 181, 132-141.	2.9	26
63	Development and validation of a stabilityâ€indicating HPLC method for topiramate using a mixedâ€mode column and charged aerosol detector. Journal of Separation Science, 2018, 41, 1716-1725.	1.3	9
64	Effective methodologies for enantiomeric separations of 150 pharmacology and toxicology related 1Â°, 2Â°, and 3Â° amines with core-shell chiral stationary phases. Journal of Pharmaceutical and Biomedical Analysis, 2018, 155, 70-81.	1.4	40
65	Variations of l- and d-amino acid levels in the brain of wild-type and mutant mice lacking d-amino acid oxidase activity. Analytical and Bioanalytical Chemistry, 2018, 410, 2971-2979.	1.9	36
66	Synthesis of new C3 symmetric amino acidâ€and aminoalcoholâ€containing chiral stationary phases and application to HPLC enantioseparations. Chirality, 2018, 30, 74-84.	1.3	17
67	Chiral Gas Chromatography. , 2018, , 468-505.		15
68	Chiral Liquid Chromatography. , 2018, , 507-564.		5
69	Gas chromatography selectivity of new phosphoniumâ€based dicationic ionic liquid stationary phases. Journal of Separation Science, 2018, 41, 4142-4148.	1.3	15
70	Variation of anionic moieties of dicationic ionic liquid GC stationary phases: Effect on stability and selectivity. Analytica Chimica Acta, 2018, 1042, 155-164.	2.6	24
71	Improving visualization of trace components for quantification using a power law based integration approach. Journal of Chromatography A, 2018, 1574, 1-8.	1.8	5
72	Evaluation of the Edman degradation product of vancomycin bonded to coreâ€shell particles as a new HPLC chiral stationary phase. Chirality, 2018, 30, 1067-1078.	1.3	13

#	Article	IF	Citations
73	Mass spectrometry detection of basic drugs in fast chiral analyses with vancomycin stationary phases. Journal of Pharmaceutical Analysis, 2018, 8, 324-332.	2.4	16
74	Extracting More Information Using Less (Sample, Time, Preparation...). Analytical Chemistry, 2018, 90, 6347-6347.	3.2	0
75	Geopolymers as a New Class of High pH Stable Supports with Different Chromatographic Selectivity. Analytical Chemistry, 2018, 90, 8139-8146.	3.2	18
76	Determination of the interconversion energy barrier of three novel pentahelicene derivative enantiomers by dynamic high resolution liquid chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1051, 60-67.	1.2	3
77	Ultrafast Chiral Chromatography as the Second Dimension in Two-Dimensional Liquid Chromatography Experiments. Analytical Chemistry, 2017, 89, 3545-3553.	3.2	102
78	Quinine bonded to superficially porous particles for high-efficiency and ultrafast liquid and supercritical fluid chromatography. Analytica Chimica Acta, 2017, 963, 164-174.	2.6	58
79	<scp>d</scp>-Amino Acid Levels in Perfused Mouse Brain Tissue and Blood: A Comparative Study. ACS Chemical Neuroscience, 2017, 8, 1251-1261.	1.7	93
80	Separation of peptides on superficially porous particle based macrocyclic glycopeptide liquid chromatography stationary phases: consideration of fast separations. Analytical and Bioanalytical Chemistry, 2017, 409, 2437-2447.	1.9	21
81	Cellular and cell-free studies of catalytic DNA cleavage by ruthenium polypyridyl complexes containing redox-active intercalating ligands. Chemical Science, 2017, 8, 3726-3740.	3.7	36
82	Chromatographic separation of racemic praziquantel and its residual determination in perch by LC-MS/MS. Talanta, 2017, 174, 380-386.	2.9	17
83	Total peak shape analysis: detection and quantitation of concurrent fronting, tailing, and their effect on asymmetry measurements. Journal of Chromatography A, 2017, 1509, 163-170.	1.8	22
84	Evaluation of nicotine in tobaccoâ€freeâ€nicotine commercial products. Drug Testing and Analysis, 2017, 9, 944-948.	1.6	32
85	Thermal racemization of biaryl atropisomers. Tetrahedron: Asymmetry, 2017, 28, 1557-1561.	1.8	30
86	Absolute configuration of an axially chiral sulfonate determined from its optical rotatory dispersion, electronic circular dichroism, and vibrational circular dichroism spectra. Chirality, 2017, 29, 670-676.	1.3	7
87	Examination of the Varied and Changing Ethanol Content of Commercial Kombucha Products. Food Analytical Methods, 2017, 10, 4062-4067.	1.3	36
88	Examination of Selectivities of Thermally Stable Geminal Dicationic Ionic Liquids by Structural Modification. Chromatographia, 2017, 80, 1563-1574.	0.7	23
89	Chiral surfaces: The many faces of chiral recognition. Current Opinion in Colloid and Interface Science, 2017, 32, 94-107.	3.4	31
90	Liquid chromatographic enantioseparation of carbocyclic Î²-amino acids possessing limonene skeleton on macrocyclic glycopeptide-based chiral stationary phases. Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 119-126.	1.4	15

#	Article	IF	Citations
91	Fundamental and Practical Insights on the Packing of Modern High-Efficiency Analytical and Capillary Columns. Analytical Chemistry, 2017, 89, 8177-8191.	3.2	72
92	Ultrafast chiral separations for high throughput enantiopurity analysis. Chemical Communications, 2017, 53, 509-512.	2.2	117
93	HPLC Enantioseparation of Novel Spirobrassinin Analogs on the Cyclofructan Chiral Stationary Phases. Chromatographia, 2017, 80, 53-62.	0.7	11
94	Topiramate: A Review of Analytical Approaches for the Drug Substance, Its Impurities and Pharmaceutical Formulations. Journal of Chromatographic Science, 2016, 54, bmv120.	0.7	12
95	Coronatine Facilitates Pseudomonas syringae Infection of Arabidopsis Leaves at Night. Frontiers in Plant Science, 2016, 7, 880.	1.7	63
96	Mass spectrometric detection of trace anions: The evolution of pairedâ€ion electrospray ionization (PIESI). Mass Spectrometry Reviews, 2016, 35, 201-218.	2.8	23
97	The empirical comparison of cyclofructans and cyclodextrins as chiral selectors in capillary electrophoretic separation of atropisomers of R,Sâ€1,1â€™â€binaphthaleneâ€2,2â€™â€diyl hydrogen phosphate. Journal of Separation Science, 2016, 39, 973-979.	1.3	10
98	Water Determination in Solid Pharmaceutical Products Utilizing Ionic Liquids and Headspace Gas Chromatography. Journal of Pharmaceutical Sciences, 2016, 105, 2288-2292.	1.6	27
99	Enhanced Performance Separations: Smaller, Faster, More Complex Samples. Analytical Chemistry, 2016, 88, 5561-5561.	3.2	0
100	The utilisation of two detectors for the determination of water in honey using headspace gas chromatography. Food Chemistry, 2016, 205, 23-27.	4.2	25
101	Hydroxypropyl beta cyclodextrin bonded superficially porous particle-based HILIC stationary phases. Journal of Liquid Chromatography and Related Technologies, 2016, 39, 459-464.	0.5	15
102	Screening primary racemic amines for enantioseparation by derivatized polysaccharide and cyclofructan columns. Journal of Pharmaceutical Analysis, 2016, 6, 345-355.	2.4	15
103	Carboxylated cyclofructan 6 as a hydrolytically stable high efficiency stationary phase for hydrophilic interaction liquid chromatography and mixed mode separations. Analytical Methods, 2016, 8, 6038-6045.	1.3	34
104	Enantiomeric separation of new phytoalexin analogs with cyclofructan chiral stationary phases in normal-phase mode. Journal of Separation Science, 2016, 39, 3669-3676.	1.3	5
105	Advances in high-throughput and high-efficiency chiral liquid chromatographic separations. Journal of Chromatography A, 2016, 1467, 2-18.	1.8	153
106	Determination of Trace Water Content in Petroleum and Petroleum Products. Analytical Chemistry, 2016, 88, 8194-8201.	3.2	46
107	Highâ€Performance Liquid Chromatographic Resolution of Neutral and Cationic Hetero[6]Helicenes. Chirality, 2016, 28, 282-289.	1.3	22
108	Instrumental Idiosyncrasies Affecting the Performance of Ultrafast Chiral and Achiral Sub/Supercritical Fluid Chromatography. Analytical Chemistry, 2016, 88, 8664-8672.	3.2	43

#	Article	IF	Citations
109	Salient Sub-Second Separations. Analytical Chemistry, 2016, 88, 8821-8826.	3.2	82
110	Enantioselective comprehensive twoâ€dimensional gas chromatography of lavender essential oil. Journal of Separation Science, 2016, 39, 4765-4772.	1.3	14
111	Separation of 2-naphthol atropisomers on cyclofructan-based chiral stationary phases. Journal of Liquid Chromatography and Related Technologies, 2016, 39, 710-717.	0.5	9
112	Enantioseparation of citalopram analogues with sulfated Î²â€cyclodextrin by capillary electrophoresis. Electrophoresis, 2016, 37, 841-848.	1.3	18
113	Synthesis of Thermally Stable Geminal Dicationic Ionic Liquids and Related Ionic Compounds: An Examination of Physicochemical Properties by Structural Modification. Chemistry of Materials, 2016, 28, 4315-4323.	3.2	77
114	Chlorinated aromatic derivatives of cyclofructan 6 as HPLC chiral stationary phases. Journal of Liquid Chromatography and Related Technologies, 2016, 39, 497-503.	0.5	11
115	Enantiomeric separation of citalopram analogues by HPLC using macrocyclic glycopeptide and cyclodextrin based chiral stationary phases. Journal of Liquid Chromatography and Related Technologies, 2016, 39, 154-160.	0.5	13
116	Sampling frequency, response times and embedded signal filtration in fast, high efficiency liquid chromatography: A tutorial. Analytica Chimica Acta, 2016, 907, 31-44.	2.6	75
117	Analysis of Long-Chain Unsaturated Fatty Acids by Ionic Liquid Gas Chromatography. Journal of Agricultural and Food Chemistry, 2016, 64, 1422-1432.	2.4	52
118	Enantiomeric separations of Î±-aryl ketones with cyclofructan chiral stationary phases via high performance liquid chromatography and supercritical fluid chromatography. Journal of Chromatography A, 2016, 1427, 45-54.	1.8	24
119	Direct and sensitive determination of glyphosate and aminomethylphosphonic acid in environmental water samples by high performance liquid chromatography coupled to electrospray tandem mass spectrometry. Journal of Chromatography A, 2016, 1443, 93-100.	1.8	37
120	Reduced matrix effects for anionic compounds with paired ion electrospray ionization mass spectrometry. Analytica Chimica Acta, 2016, 912, 74-84.	2.6	15
121	Quantitative analysis of dicamba residues in raw agricultural commodities with the use of ion-pairing reagents in LCâ€“ESIâ€“MS/MS. Talanta, 2016, 149, 103-109.	2.9	19
122	Gram Scale Conversion of R-BINAM to R-NOBIN. Journal of Organic Chemistry, 2016, 81, 1295-1299.	1.7	31
123	Gas chromatographyâ€“vacuum ultraviolet spectroscopy for analysis of fatty acid methyl esters. Food Chemistry, 2016, 194, 265-271.	4.2	70
124	Superficially Porous Particle Based Hydroxypropylâ€Î²â€cyclodextrin Stationary Phase for Highâ€Efficiency Enantiomeric Separations. Chirality, 2015, 27, 788-794.	1.3	23
125	Enantioselective comprehensive two-dimensional gas chromatography. A route to elucidate the authenticity and origin ofRosa damascena Milleressential oils. Journal of Separation Science, 2015, 38, 3397-3403.	1.3	28
126	Cationâ€enhanced capillary electrophoresis separation of atropoisomer anions. Electrophoresis, 2015, 36, 2859-2865.	1.3	4

#	Article	IF	Citations
127	Preparation and Evaluation of HPLC Chiral Stationary Phases Based on Cationic/Basic Derivatives of Cyclofructan 6. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 550-560.	0.5	14
128	Paired-ion electrospray ionizationÂâ€“ triple quadrupole tandem mass spectrometry for quantification of anionic surfactants in waters. Talanta, 2015, 143, 320-327.	2.9	12
129	Gone in Seconds: Praxis, Performance, and Peculiarities of Ultrafast Chiral Liquid Chromatography with Superficially Porous Particles. Analytical Chemistry, 2015, 87, 9137-9148.	3.2	140
130	Rapid, effective deprotection of tert-butoxycarbonyl (Boc) amino acids and peptides at high temperatures using a thermally stable ionic liquid. RSC Advances, 2015, 5, 95854-95856.	1.7	16
131	High efficiency, narrow particle size distribution, sub-2ÂÎ¼m based macrocyclic glycopeptide chiral stationary phases in HPLC and SFC. Analytica Chimica Acta, 2015, 898, 128-137.	2.6	73
132	Enantiomeric Separations of Ruthenium (II) Polypyridyl Complexes Using HPLC With Cyclofructan Chiral Stationary Phases. Chirality, 2015, 27, 64-70.	1.3	27
133	Separation of therapeutic peptides with cyclofructan and glycopeptide based columns in hydrophilic interaction liquid chromatography. Journal of Chromatography A, 2015, 1390, 50-61.	1.8	15
134	Separation Of Methionine Enantiomers By Using Teicoplanin And Cyclofructan Columns. Nova Biotechnologica Et Chimica, 2015, 14, 1-11.	0.1	6
135	Two-dimensional high performance liquid chromatography for determination of homocysteine, methionine and cysteine enantiomers in human serum. Journal of Chromatography A, 2015, 1408, 118-124.	1.8	51
136	Construction the switch binding pattern of cyclofructan 6. Tetrahedron, 2015, 71, 3447-3452.	1.0	5
137	Topiramate: a review of analytical approaches for biological matrices. Biomedical Chromatography, 2015, 29, 1461-1472.	0.8	8
138	Determination of methionine enantiomers by HPLC on the cyclofructan chiral stationary phase. Analytical Methods, 2015, 7, 4577-4582.	1.3	19
139	Problems and Pitfalls in the Analysis of Amygdalin and Its Epimer. Journal of Agricultural and Food Chemistry, 2015, 63, 8966-8973.	2.4	25
140	Sensitive detection of anionic metabolites of drugs by positive ion mode HPLC-PIESI-MS. International Journal of Mass Spectrometry, 2015, 389, 14-25.	0.7	8
141	High-performance liquid chromatographic separation of paclitaxel intermediate phenylisoserine derivatives on macrocyclic glycopeptide and cyclofructan-based chiral stationary phases. Journal of Pharmaceutical and Biomedical Analysis, 2015, 114, 312-320.	1.4	19
142	Ultrafast separation of fluorinated and desfluorinated pharmaceuticals using highly efficient and selective chiral selectors bonded to superficially porous particles. Journal of Chromatography A, 2015, 1426, 241-247.	1.8	59
143	Separation of Enantiomers of Selected Sulfur-Containing Amino Acids by Using Serially Coupled Achiral-Chiral Columns. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 789-794.	0.5	8
144	NATIVE/DERIVATIZED CYCLOFRUCTAN 6 BOUND TO RESINS VIA â€œCLICKâ€•CHEMISTRY AS STATIONARY PHASES FOR ACHIRAL/CHIRAL SEPARATIONS. Journal of Liquid Chromatography and Related Technologies, 2014, 37, 2302-2326.	0.5	5

#	Article	IF	Citations
145	Enantiomeric Separations of Nâ€“H/Nâ€“Me Aziridines Utilizing GC and HPLC. Chromatographia, 2014, 77, 1607-1612.	0.7	4
146	Development and evaluation of gas and liquid chromatographic methods for the analysis of fatty amines. Journal of Separation Science, 2014, 37, 558-565.	1.3	13
147	Computerized optimization of flows and temperature gradient in flow modulated comprehensive two-dimensional gas chromatography. Journal of Chromatography A, 2014, 1349, 135-138.	1.8	5
148	Enantiomeric separation of functionalized ethano-bridged TrÃ¶ger bases using macrocyclic cyclofructan and cyclodextrin chiral selectors in high-performance liquid chromatography and capillary electrophoresis with application of principal component analysis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 955-956, 72-80.	1.2	12
149	Water determination in active pharmaceutical ingredients using ionic liquid headspace gas chromatography and two different detection protocols. Journal of Pharmaceutical and Biomedical Analysis, 2014, 94, 111-117.	1.4	39
150	Isopropyl derivative of cyclofructan 6 as chiral selector in liquid chromatography and capillary electrophoresis. Journal of Chromatography A, 2014, 1338, 197-200.	1.8	23
151	Multidimensional Separations. Analytical Chemistry, 2014, 86, 11473-11473.	3.2	0
152	Binding characteristics of native cyclofructan 6 and its derivatives with metal ions. Supramolecular Chemistry, 2014, 26, 705-713.	1.5	3
153	Separation and sensitive determination of sphingolipids at low femtomole level by using HPLC-PIESI-MS/MS. Analyst, The, 2014, 139, 4169-4175.	1.7	11
154	Rapid Analysis of Ethanol and Water in Commercial Products Using Ionic Liquid Capillary Gas Chromatography with Thermal Conductivity Detection and/or Barrier Discharge Ionization Detection. Journal of Agricultural and Food Chemistry, 2014, 62, 1832-1838.	2.4	55
155	Enantiomeric Separations of Chiral Sulfonic and Phosphoric Acids with Barium-Doped Cyclofructan Selectors via an Ion Interaction Mechanism. Analytical Chemistry, 2014, 86, 1282-1290.	3.2	26
156	Comparison of superficially porous and fully porous silica supports used for a cyclofructan 6 hydrophilic interaction liquid chromatographic stationary phase. Journal of Chromatography A, 2014, 1365, 124-130.	1.8	45
157	Water determination. , 2014, , 223-241.		6
158	Mechanism and Sensitivity of Anion Detection Using Rationally Designed Unsymmetrical Dications in Paired Ion Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2014, 86, 2665-2672.	3.2	30
159	Superficially porous particles vs. fully porous particles for bonded high performance liquid chromatographic chiral stationary phases: Isopropyl cyclofructan 6. Journal of Chromatography A, 2014, 1363, 89-95.	1.8	74
160	On the use of quadrupole mass spectrometric detection for flow modulated comprehensive two-dimensional gas chromatography. Journal of Chromatography A, 2014, 1330, 51-60.	1.8	12
161	Enantiomeric separation of biaryl atropisomers using cyclofructan based chiral stationary phases. Journal of Chromatography A, 2014, 1357, 172-181.	1.8	38
162	Enantiomeric separations of illicit drugs and controlled substances using cyclofructanâ€based (LARIHC) and cyclobond I 2000 RSP HPLC chiral stationary phases. Drug Testing and Analysis, 2014, 6, 542-551.	1.6	29

#	Article	IF	Citations
163	Reprint of: Enantiomeric separation of functionalized ethano-bridged TrÃ¶ger bases using macrocyclic cyclofructan and cyclodextrin chiral selectors in high-performance liquid chromatography and capillary electrophoresis with application of principal component analysis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 968, 40-48.	1.2	2
164	High-performance liquid chromatography with paired ion electrospray ionization (PIESI) tandem mass spectrometry for the highly sensitive determination of acidic pesticides in water. Analytica Chimica Acta, 2013, 792, 1-9.	2.6	32
165	Thermodynamic studies of a zwitterionic stationary phase in hydrophilic interaction liquid chromatography. Journal of Chromatography A, 2013, 1272, 81-89.	1.8	32
166	Enantioseparation of flinderoles and borreverines by HPLC on Chirobiotic V and V2 stationary phases and by CE using cyclodextrin selectors. Analytical and Bioanalytical Chemistry, 2013, 405, 9169-9177.	1.9	7
167	Enantiomeric impurities in chiral catalysts, auxiliaries, and synthons used in enantioselective syntheses. Part 4. Tetrahedron: Asymmetry, 2013, 24, 1134-1141.	1.8	13
168	On the biosynthesis and optical activity of the flinderoles. Tetrahedron Letters, 2013, 54, 5892-5894.	0.7	9
169	The Enantiomeric Separation of Tetrahydrobenzimidazoles Cyclodextrinsâ€•and Cyclofructans. Chirality, 2013, 25, 133-140.	1.3	36
170	Enantiomeric separation of isochromene derivatives by high-performance liquid chromatography using cyclodextrin based stationary phases and principal component analysis of the separation data. Journal of Chromatography A, 2013, 1305, 94-101.	1.8	12
171	An insight into the use of dimethylphenyl carbamate cyclofructan 7 chiral stationary phase in supercritical fluid chromatography: The basic comparison with HPLC. Journal of Separation Science, 2013, 36, 1711-1719.	1.3	30
172	Stereoselective separation of spiroindoline phytoalexins on R-naphthylethyl cyclofructan 6-based chiral stationary phase. Journal of Chromatography A, 2013, 1272, 100-105.	1.8	21
173	On the use of ionic liquid capillary columns for analysis of aromatic hydrocarbons in low-boiling petrochemical products by one-dimensional and comprehensive two-dimensional gas chromatography. Journal of Chromatography A, 2013, 1301, 225-236.	1.8	35
174	Separation of nucleotides by hydrophilic interaction chromatography using the FRULIC-N column. Analytical and Bioanalytical Chemistry, 2013, 405, 8837-8848.	1.9	32
175	Metal cation detection in positive ion mode electrospray ionization mass spectrometry using a tetracationic salt as a gasâ€phase ionâ€pairing agent: Evaluation of the effect of chelating agents on detection sensitivity. Rapid Communications in Mass Spectrometry, 2012, 26, 2885-2896.	0.7	13
176	Complexation of cyclofrunctans with transition metal ions studied by electrospray ionization mass spectrometry and collision-induced dissociation. International Journal of Mass Spectrometry, 2012, 323-324, 21-27.	0.7	13
177	Effect of silica gel modification with cyclofructans on properties of hydrophilic interaction liquid chromatography stationary phases. Journal of Chromatography A, 2012, 1257, 58-65.	1.8	35
178	Chiral HPLC Separation on Derivatized Cyclofructan Versus Cyclodextrin Stationary Phases. Analytical Letters, 2012, 45, 2344-2358.	1.0	18
179	Coupling solidâ€phase microextraction and laser desorption ionization for rapid identification of biological material. Rapid Communications in Mass Spectrometry, 2012, 26, 853-862.	0.7	9
180	Sensitive analysis of metal cations in positive ion mode electrospray ionization mass spectrometry using commercial chelating agents and cationic ionâ€pairing reagents. Rapid Communications in Mass Spectrometry, 2012, 26, 1005-1013.	0.7	15

#	Article	IF	Citations
181	Highâ€performance liquid chromatographic enantioseparation of amino compounds on newly developed cyclofructanâ€based chiral stationary phases. Journal of Separation Science, 2012, 35, 617-624.	1.3	23
182	1,3â€Dimethylamylamine (DMAA) in supplements and geranium products: natural or synthetic?. Drug Testing and Analysis, 2012, 4, 986-990.	1.6	44
183	CEâ€ESIâ€MS separation of divalent organic and inorganic anions using a tricationic complexing reagent. Electrophoresis, 2012, 33, 734-740.	1.3	4
184	Separation of multiply charged anions by capillary electrophoresis using alkyl phosphonium pairing agents. Electrophoresis, 2012, 33, 1153-1161.	1.3	4
185	Study on the use of boromycin as a chiral selector in capillary electrophoresis. Journal of Chromatography A, 2012, 1237, 128-132.	1.8	30
186	Chiral ionic liquids: A compendium of syntheses and applications (2005â€“2012). Chirality, 2012, 24, 17-53.	1.3	119
187	4,6-Di-O-pentyl-3-O-trifluoroacetyl/propionyl cyclofructan stationary phases for gas chromatographic enantiomeric separations. Analyst, The, 2011, 136, 2931.	1.7	19
188	Rapid determination of sample purity and composition by nanopore stochastic sensing. Nanoscale, 2011, 3, 4593.	2.8	10
189	Use of ion pairing reagents for sensitive detection and separation of phospholipids in the positive ion mode LC-ESI-MS. Analyst, The, 2011, 136, 1586.	1.7	28
190	On-Chip Drop-to-Drop Liquid Microextraction Coupled with Real-Time Concentration Monitoring Technique. Analytical Chemistry, 2011, 83, 1658-1664.	3.2	80
191	Evaluation of aromatic-derivatized cyclofructans 6 and 7 as HPLC chiral selectors. Analyst, The, 2011, 136, 787-800.	1.7	53
192	Development and evaluation of new zwitterionic Hydrophilic interaction liquid chromatography stationary phases based on 3-P,P-diphenylphosphonium-propylsulfonate. Journal of Chromatography A, 2011, 1218, 8075-8082.	1.8	49
193	Enantioseparation of Novel Amino Analogs of Indole Phytoalexins on Macrocyclic Glycopeptide-Based Chiral Stationary Phase. Chromatographia, 2011, 74, 751-757.	0.7	8
194	Synthesis and chromatographic evaluation of new polymeric chiral stationary phases based on three (1S,2S)-(â^')-1,2-diphenylethylenediamine derivatives in HPLC and SFC. Analytical and Bioanalytical Chemistry, 2011, 399, 2445-2461.	1.9	18
195	Comparison of stationary phases for packed column supercritical fluid chromatography based upon ionic liquid motifs: a study of cation and anion effects. Analytical and Bioanalytical Chemistry, 2011, 400, 435-447.	1.9	16
196	A liquid drop RC filter apparatus for detection. Analytical and Bioanalytical Chemistry, 2011, 401, 2669-2678.	1.9	7
197	Cyclofructan 6 based stationary phases for hydrophilic interaction liquid chromatography. Journal of Chromatography A, 2011, 1218, 270-279.	1.8	73
198	On retentivity tuning by flow in the second column of different comprehensive two dimensional gas chromatographic configurations. Journal of Chromatography A, 2011, 1218, 3186-3189.	1.8	7

#	Article	IF	Citations
199	Sulfonated cyclofructan 6 based stationary phase for hydrophilic interaction chromatography. Journal of Separation Science, 2011, 34, 1636-1647.	1.3	43
200	Characterization of cyclofructanâ€based chiral stationary phases by linear free energy relationship. Journal of Separation Science, 2011, 34, 2639-2644.	1.3	30
201	Enhanced comprehensive two-dimensional gas chromatographic resolution of polychlorinated biphenyls on a non-polar polysiloxane and an ionic liquid column series. Journal of Chromatography A, 2011, 1218, 746-751.	1.8	43
202	Characterization of new R-naphthylethyl cyclofructan 6 chiral stationary phase and its comparison with R-naphthylethyl Î²-cyclodextrin-based column. Journal of Chromatography A, 2011, 1218, 1393-1398.	1.8	37
203	STEREOSELECTIVE HPLC DETERMINATION OF THYROXINE ENANTIOMERS IN PHARMACEUTICALS. Journal of Liquid Chromatography and Related Technologies, 2011, 34, 2304-2314.	0.5	8
204	Evaluation of dalbavancin as chiral selector for HPLC and comparison with teicoplaninâ€based chiral stationary phases. Chirality, 2010, 22, 495-513.	1.3	12
205	Enantiomeric Resolution of a Chiral Sulfoxide Series by LC on Synthetic Polymeric Columns with Multimodal Elution. Chromatographia, 2010, 71, 361-372.	0.7	13
206	LC Separation of Î³-Amino Acid Enantiomers. Chromatographia, 2010, 71, 13-19.	0.7	10
207	Chiral Recognition with Macrocyclic Glycopeptides: Mechanisms and Applications. , 2010, , 203-222.		15
208	Separations of Cycloinulooligosaccharides via Hydrophilic Interaction Chromatography (HILIC) and Ligand-Exchange Chromatography. Separation Science and Technology, 2010, 45, 447-452.	1.3	8
209	Bonded ionic liquid polymeric material for solid-phase microextraction GC analysis. Analytical and Bioanalytical Chemistry, 2010, 396, 511-524.	1.9	105
210	Detection of nucleotides in positive-mode electrospray ionization mass spectrometry using multiply-charged cationic ion-pairing reagents. Analytical and Bioanalytical Chemistry, 2010, 398, 367-376.	1.9	17
211	High-performance liquid chromatographic enantioseparation of monoterpene-based 2-amino carboxylic acids on macrocyclic glycopeptide-based phases. Journal of Chromatography A, 2010, 1217, 6956-6963.	1.8	29
212	Use of CE for the determination of binding constants. Electrophoresis, 2010, 31, 17-27.	1.3	136
213	Rapid identification of Candida albicans in blood by combined capillary electrophoresis and fluorescence in situ hybridization. Electrophoresis, 2010, 31, 2849-2853.	1.3	25
214	Comparison of HPLC enantioseparation of substituted binaphthyls on CDâ€, polysaccharideâ€•and synthetic polymerâ€based chiral stationary phases. Journal of Separation Science, 2010, 33, 1244-1254.	1.3	14
215	Fast detection of Candida albicans and/or bacteria in blood plasma by â€œsample-self-focusingâ€•using capillary electrophoresis-laser-induced fluorescence. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 75-80.	1.4	22
216	Study of complexation between cyclofructans and alkali metal cations by electrospray ionization mass spectrometry and density functional theory calculations. International Journal of Mass Spectrometry, 2010, 291, 118-124.	0.7	24

#	Article	IF	Citations
217	Increasing selectivity in comprehensive three-dimensional gas chromatography via an ionic liquid stationary phase column in one dimension. Journal of Chromatography A, 2010, 1217, 3144-3149.	1.8	60
218	Ionic liquids in analytical chemistry. Analytica Chimica Acta, 2010, 661, 1-16.	2.6	670
219	Study of a new chiral selector: Sodium arsenyl-(l)-(+) tartrate for capillary electrophoresis. Journal of Chromatography A, 2010, 1217, 1139-1148.	1.8	10
220	Effective enantiomeric separations of racemic primary amines by the isopropyl carbamate-cyclofructan6 chiral stationary phase. Journal of Chromatography A, 2010, 1217, 4904-4918.	1.8	93
221	Ionic cyclodextrins in ionic liquid matrices as chiral stationary phases for gas chromatography. Journal of Chromatography A, 2010, 1217, 5261-5273.	1.8	77
222	Use of a polar ionic liquid as second column for the comprehensive two-dimensional GC separation of PCBs. Journal of Chromatography A, 2010, 1217, 5859-5867.	1.8	33
223	Evaluation of tetracationic salts as gasâ€phase ionâ€pairing agents for the detection of trivalent anions in positive mode electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 1113-1123.	0.7	21
224	The enantiomeric separation of 4,5-disubstituted imidazoles by HPLC and CE using cyclodextrin-based chiral selectors. Supramolecular Chemistry, 2010, 22, 758-767.	1.5	13
225	Enzyme-Catalyzed Hydrolysis of Cellulose in Ionic Liquids: A Green Approach Toward the Production of Biofuels. Journal of Physical Chemistry B, 2010, 114, 8221-8227.	1.2	127
226	Mechanisms of ESI-MS Selectivity and Sensitivity Enhancements When Detecting Anions in the Positive Mode Using Cationic Pairing Agents. Analytical Chemistry, 2010, 82, 9066-9073.	3.2	33
227	The Effect of AC Frequency on the Electrowetting Behavior of Ionic Liquids. Analytical Chemistry, 2010, 82, 3146-3154.	3.2	55
228	A Tunable Ionic Liquid Based RC Filter Using Electrowetting: A New Concept. ACS Applied Materials & Interfaces, 2010, 2, 1785-1787.	4.0	22
229	The use of cyclofructans as novel chiral selectors for gas chromatography. Analyst, The, 2010, 135, 1076.	1.7	43
230	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.	1.3	12
231	Cyclofructans, a New Class of Chiral Stationary Phases. , 2010, , 77-96.		8
232	Enantiomeric separation of chiral ruthenium(II) complexes using capillary electrophoresis. Chirality, 2009, 21, 208-217.	1.3	30
233	Highâ€performance liquid chromatographic chiral separation of Î²²â€homoamino acids. Chirality, 2009, 21, 787-798.	1.3	15
234	Synthesis and examination of sulfated cyclofructans as a novel class of chiral selectors for CE. Electrophoresis, 2009, 30, 3897-3909.	1.3	52

#	Article	IF	Citations
235	Sterility testing by CE: A comparison of online preconcentration approaches in capillaries with greater internal diameters. Electrophoresis, 2009, 30, 3870-3876.	1.3	20
236	CEâ€ESIâ€MS analysis of singly charged inorganic and organic anions using a dicationic reagent as a complexing agent. Electrophoresis, 2009, 30, 3918-3925.	1.3	32
237	Separation of inorganic and small organic anions by CE using phosphoniumâ€based monoâ€and dicationic reagents. Electrophoresis, 2009, 30, 3955-3963.	1.3	27
238	A secondâ€generation ionic liquid matrixâ€assisted laser desorption/ionization matrix for effective mass spectrometric analysis of biodegradable polymers. Rapid Communications in Mass Spectrometry, 2009, 23, 3409-3422.	0.7	44
239	Enantioselective hostâ€“guest complexation of Ru(II) trisdiimine complexes using neutral and anionic derivatized cyclodextrins. Inorganica Chimica Acta, 2009, 362, 3073-3078.	1.2	19
240	The evaluation and comparison of trigonal and linear tricationic ion-pairing reagents for the detection of anions in positive mode ESI-MS. Journal of the American Society for Mass Spectrometry, 2009, 20, 529-538.	1.2	20
241	Towards a second generation of ionic liquid matrices (ILMs) for MALDI-MS of Peptides, proteins, and carbohydrates. Journal of the American Society for Mass Spectrometry, 2009, 20, 1790-1800.	1.2	96
242	Positive mode electrospray ionization mass spectrometry of bisphosphonates using dicationic and tricationic ion-pairing agents. Analytica Chimica Acta, 2009, 633, 232-237.	2.6	23
243	Ionic Liquids in Analytical Chemistry. Annual Review of Analytical Chemistry, 2009, 2, 145-168.	2.8	125
244	Separation of Enantiomers and Control of Elution Order of Î²-Lactams by GC Using Cyclodextrin-Based Chiral Stationary Phases. Chromatographia, 2009, 69, 331-337.	0.7	6
245	Linear Tricationic Room-Temperature Ionic Liquids: Synthesis, Physiochemical Properties, and Electrowetting Properties. ACS Applied Materials & Interfaces, 2009, 1, 2126-2133.	4.0	29
246	Trigonal Tricationic Ionic Liquids: A Generation of Gas Chromatographic Stationary Phases. Analytical Chemistry, 2009, 81, 160-173.	3.2	146
247	Influence of Chiral Ionic Liquids on Stereoselective Fluorescence Quenching by Photoinduced Electron Transfer in a Naproxen Dyad. Journal of Physical Chemistry B, 2009, 113, 10825-10829.	1.2	28
248	Nanopore Stochastic Detection of a Liquid Explosive Component and Sensitizers Using Boromycin and an Ionic Liquid Supporting Electrolyte. Analytical Chemistry, 2009, 81, 460-464.	3.2	53
249	GCâ€“MS analysis of crocetane, phytane and some of their stereoisomers using cyclodextrin-based stationary phases. Organic Geochemistry, 2009, 40, 283-286.	0.9	25
250	Development of New HPLC Chiral Stationary Phases Based on Native and Derivatized Cyclofructans. Analytical Chemistry, 2009, 81, 10215-10226.	3.2	157
251	Evaluation of dicationic reagents for their use in detection of anions using positive ion mode ESI-MS via gas phase ion association. Journal of the American Society for Mass Spectrometry, 2008, 19, 261-269.	1.2	53
252	Comprehensive two-dimensional gas chromatography using a high-temperature phosphonium ionic liquid column. Analytical and Bioanalytical Chemistry, 2008, 390, 323-332.	1.9	79

#	Article	IF	Citations
253	Characterization of phosphonium ionic liquids through a linear solvation energy relationship and their use as GLC stationary phases. Analytical and Bioanalytical Chemistry, 2008, 390, 1605-1617.	1.9	163
254	The determination of glutathione-4-hydroxynonenal (GSHNE), E-4-hydroxynonenal (HNE), and E-1-hydroxynon-2-en-4-one (HNO) in mouse liver tissue by LC-ESI-MS. Analytical and Bioanalytical Chemistry, 2008, 392, 1325-1333.	1.9	27
255	Considerations on HILIC and polar organic solventâ€based separations: Use of cyclodextrin and macrocyclic glycopetide stationary phases. Journal of Separation Science, 2008, 31, 1980-1990.	1.3	66
256	Characterization and utilization of a novel triflate ionic liquid stationary phase for use in comprehensive twoâ€dimensional gas chromatography. Journal of Separation Science, 2008, 31, 3429-3436.	1.3	36
257	Comparison of performance of Chirobiotic T, T2 and TAG columns in the separation of Î²²â€• and Î²³â€homoamino acids. Journal of Separation Science, 2008, 31, 3688-3697.	1.3	25
258	The use of cationic surfactants and ionic liquids in the detection of microbial contamination by capillary electrophoresis. Electrophoresis, 2008, 29, 2587-2592.	1.3	36
259	Combined capillary electrophoresis and DNAâ€fluorescence in situ hybridization for rapid molecular identification of Salmonella Typhimurium in mixed culture. Electrophoresis, 2008, 29, 2477-2484.	1.3	30
260	RLIP76 in Defense of Radiation Poisoning. International Journal of Radiation Oncology Biology Physics, 2008, 72, 553-561.	0.4	50
261	Enantioseparations of chiral ruthenium(II) polypyridyl complexes using HPLC with macrocyclic glycopeptide chiral stationary phases (CSPs). Journal of Molecular Structure, 2008, 890, 75-80.	1.8	20
262	Evaluation of Pentaproline-Based Chiral Stationary Phase by LC. Chromatographia, 2008, 67, 13-32.	0.7	6
263	Effect of the Orientation of Amide Linkage Groups on the Enantioselectivity of Two Related Synthetic Polymeric Chiral Stationary Phases. Chromatographia, 2008, 67, 199-210.	0.7	7
264	Evaluating the Use of Tricationic Reagents for the Detection of Doubly Charged Anions in the Positive Mode by ESI-MS. Analytical Chemistry, 2008, 80, 2612-2616.	3.2	48
265	Trigonal Tricationic Ionic Liquids: Molecular Engineering of Trications to Control Physicochemical Properties. Chemistry of Materials, 2008, 20, 4182-4184.	3.2	61
266	A Fundamental Study on Electrowetting by Traditional and Multifunctional Ionic Liquids: Possible Use in Electrowetting on Dielectric-Based Microfluidic Applications. Analytical Chemistry, 2008, 80, 7690-7698.	3.2	77
267	Enantiomeric Separation of Isochromene Derivatives by Cyclodextrin-Modified Micellar Capillary Electrophoresis. Journal of Liquid Chromatography and Related Technologies, 2008, 31, 2035-2052.	0.5	7
268	Influence of Chiral Ionic Liquids on the Excited-State Properties of Naproxen Analogs. Journal of Physical Chemistry B, 2008, 112, 7555-7559.	1.2	19
269	Evaluation of Flexible Linear Tricationic Salts as Gas-Phase Ion-Pairing Reagents for the Detection of Divalent Anions in Positive Mode ESI-MS. Analytical Chemistry, 2008, 80, 8828-8834.	3.2	41
270	Enantiomeric Separation of Synthetic Amino Acids Using Capillary Zone Electrophoresis. Journal of Liquid Chromatography and Related Technologies, 2007, 30, 1421-1436.	0.5	13

#	Article	IF	Citations
271	Ionic Liquids in Separations. Accounts of Chemical Research, 2007, 40, 1079-1086.	7.6	967
272	Unsymmetrical Dicationic Ionic Liquids: Manipulation of Physicochemical Properties Using Specific Structural Architectures. Chemistry of Materials, 2007, 19, 5848-5850.	3.2	216
273	Single-Cell Detection:Â Test of Microbial Contamination Using Capillary Electrophoresis. Analytical Chemistry, 2007, 79, 1720-1724.	3.2	73
274	LC Enantiomeric Separation of Unusual Amino Acids Using Cyclodextrinâ€based Stationary Phases. Journal of Liquid Chromatography and Related Technologies, 2007, 31, 219-230.	0.5	13
275	Resolution of Enantiomers in Solution and Determination of the Chirality of Extended Metal Atom Chains. Inorganic Chemistry, 2007, 46, 1535-1537.	1.9	30
276	Empirical Observations and Mechanistic Insights on the First Boron-Containing Chiral Selector for LC and Supercritical Fluid Chromatography. Analytical Chemistry, 2007, 79, 8125-8135.	3.2	21
277	Enantiomeric Separations of Ruthenium(II) Polypyridyl Complexes Using High-Performance Liquid Chromatography (HPLC) with Cyclodextrin Chiral Stationary Phases (CSPs). Inorganic Chemistry, 2007, 46, 10312-10320.	1.9	52
278	Enantioseparation of extended metal atom chain complexes: Unique compounds of extraordinarily high specific rotation. Chirality, 2007, 19, 179-183.	1.3	16
279	Highly Efficient Asymmetric Direct Stoichiometric Aldol Reactions on/in Water. Angewandte Chemie - International Edition, 2007, 46, 9073-9077.	7.2	173
280	On-line preconcentration of weak electrolytes by electrokinetic accumulation in CE: Experiment and simulation. Electrophoresis, 2007, 28, 1540-1547.	1.3	34
281	A General, Positive Ion Mode ESI-MS Approach for the Analysis of Singly Charged Inorganic and Organic Anions Using a Dicationic Reagent. Analytical Chemistry, 2007, 79, 7346-7352.	3.2	92
282	LC and LC-MS Separation of Peptides on Macrocyclic Glycopeptide Stationary Phases: Diastereomeric Series and Large Peptides. Chromatographia, 2007, 66, 461-468.	0.7	17
283	Preparation and evaluation of a new synthetic polymeric chiral stationary phase for HPLC based on the trans-9,10-dihydro-9,10-ethanoanthracene-(11S,12S)-11,12-dicarboxylic acid bis-4-vinylphenylamide monomer. Analytical and Bioanalytical Chemistry, 2007, 387, 2681-2697.	1.9	14
284	Dicationic ionic liquid stationary phase for GC-MS analysis of volatile compounds in herbal plants. Analytical and Bioanalytical Chemistry, 2007, 388, 889-899.	1.9	133
285	PEG-linked geminal dicationic ionic liquids as selective, high-stability gas chromatographic stationary phases. Analytical and Bioanalytical Chemistry, 2007, 389, 2265-2275.	1.9	152
286	Capillary Electrophoretic Method for the Detection of Bacterial Contamination. Analytical Chemistry, 2006, 78, 4759-4767.	3.2	65
287	Interconversion of Oxazepam Enantiomers During HPLC Separation. Determination of Thermodynamic Parameters. Journal of Liquid Chromatography and Related Technologies, 2006, 29, 2889-2900.	0.5	12
288	Estimation of association constants between oral malodor components and various native and derivatized cyclodextrins. Analytica Chimica Acta, 2006, 557, 184-190.	2.6	33

#	Article	IF	Citations
289	Development of dinitrophenylated cyclodextrin derivatives for enhanced enantiomeric separations by high-performance liquid chromatography. Journal of Chromatography A, 2006, 1115, 19-45.	1.8	80
290	Rapid determination of complex mixtures by dual-column gas chromatography with a novel stationary phase combination and spectrometric detection. Journal of Chromatography A, 2006, 1135, 230-240.	1.8	57
291	Enantiomeric impurities in chiral synthons, catalysts, and auxiliaries: Part 3. Tetrahedron: Asymmetry, 2006, 17, 2821-2832.	1.8	25
292	Optimization of the Synthesis of 2,6â€“Dinitro-4-trifluoromethylphenyl Ether Substituted Cyclodextrin Bonded Chiral Stationary Phases. Chromatographia, 2006, 64, 147-155.	0.7	14
293	Ionic Liquids in Analytical Chemistry. Analytical Chemistry, 2006, 78, 2892-2902.	3.2	433
294	Ionic liquid-alkane association in dilute solutions. Theoretical Chemistry Accounts, 2006, 117, 127-135.	0.5	35
295	Evaluation and comparison of a methylated teicoplanin aglycone to teicoplanin aglycone and natural teicoplanin chiral stationary phases. Journal of Separation Science, 2006, 29, 429-445.	1.3	43
296	Separation of chiral furan derivatives by liquid chromatography using cyclodextrin-based chiral stationary phases. Journal of Chromatography A, 2005, 1063, 111-120.	1.8	37
297	Chromatographic evaluation of poly (trans-1,2-cyclohexanediyl-bis acrylamide) as a chiral stationary phase for HPLC. Journal of Chromatography A, 2005, 1066, 55-70.	1.8	38
298	Separation and characterization of underivatized oligosaccharides using liquid chromatography and liquid chromatographyâ€“electrospray ionization mass spectrometry. Journal of Chromatography A, 2005, 1079, 146-152.	1.8	74
299	Direct high-performance liquid chromatographic enantioseparation of Î²-lactam stereoisomers. Chirality, 2005, 17, 193-200.	1.3	22
300	Chiral ionic liquids: Synthesis and applications. Chirality, 2005, 17, 281-292.	1.3	272
301	Selectivity of a Native Î²â€Cyclodextrin Column in the Separation of Catechins. Journal of Liquid Chromatography and Related Technologies, 2005, 28, 1669-1678.	0.5	11
302	Cyclodextrinâ€Mediated Enantiomeric Separation of Chiral Dihydrofuroflavones, a Class of Compounds with Promising Pharmacological Activity. Journal of Liquid Chromatography and Related Technologies, 2005, 28, 169-186.	0.5	6
303	Enantiomeric Separation of Fused Polycycles by HPLC with Cyclodextrin and Macrocyclic Glycopeptide Chiral Stationary Phases. Separation Science and Technology, 2005, 40, 2745-2759.	1.3	5
304	Use of Chiral Ionic Liquids as Solvents for the Enantioselective Photoisomerization of Dibenzobicyclo[2.2.2]octatrienes. Organic Letters, 2005, 7, 335-337.	2.4	137
305	Selectivity Tuning in an HPLC Multicomponent Separation. Journal of Liquid Chromatography and Related Technologies, 2005, 28, 1453-1471.	0.5	13
306	Immobilized Ionic Liquids as High-Selectivity/High-Temperature/High-Stability Gas Chromatography Stationary Phases. Analytical Chemistry, 2005, 77, 6453-6462.	3.2	388

#	Article	IF	Citations
307	Structure and Properties of High Stability Geminal Dicationic Ionic Liquids. Journal of the American Chemical Society, 2005, 127, 593-604.	6.6	712
308	Gas-Phase Ion Association Provides Increased Selectivity and Sensitivity for Measuring Perchlorate by Mass Spectrometry. Analytical Chemistry, 2005, 77, 4829-4835.	3.2	84
309	Using Geminal Dicationic Ionic Liquids as Solvents for High-Temperature Organic Reactions. Organic Letters, 2005, 7, 4205-4208.	2.4	197
310	The Separation of Hypericin's Enantiomers and Their Photophysics in Chiral Environments^{Â¶}. Photochemistry and Photobiology, 2005, 81, 183-186.	1.3	0
311	Enantiomeric Separations by HPLC Using Macrocyclic Glycopeptide-Based Chiral Stationary Phases: <I>An Overview</I>. , 2004, 243, 113-172.		13
312	Cyclodextrin-Based Chiral Stationary Phases for Liquid Chromatography: <I>A Twenty-Year Overview </I>. , 2004, 243, 061-112.		30
313	Generation of Fluorescent Adducts of Malondialdehyde and Amino Acids: Toward an Understanding of Lipofuscin^{Â¶}. Photochemistry and Photobiology, 2004, 79, 21-25.	1.3	8
314	Calibration of GC-FID and IR Spectrometric Methods for Determination of High Boiling Petroleum Hydrocarbons in Environmental Samples. Water, Air, and Soil Pollution, 2004, 153, 329-341.	1.1	10
315	Analysis of derivatized and underivatized theanine enantiomers by high-performance liquid chromatography/atmospheric pressure ionization-mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 251-256.	0.7	52
316	Enantiomeric separation of neutral hydrophobic dihydrofuroflavones by cyclodextrin-modified micellar capillary electrophoresis. Electrophoresis, 2004, 25, 2727-2734.	1.3	16
317	Analysis of native amino acid and peptide enantiomers by high-performance liquid chromatography/atmospheric pressure chemical ionization mass spectrometry. Journal of Mass Spectrometry, 2004, 39, 177-187.	0.7	53
318	Separation and analysis of colloidal/nano-particles including microorganisms by capillary electrophoresis: a fundamental review. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 800, 7-25.	1.2	166
319	Direct and indirect high-performance liquid chromatographic enantioseparation of Î²-amino acids. Journal of Chromatography A, 2004, 1031, 171-178.	1.8	44
320	Comparison of the separation efficiencies of Chirobiotic T and TAG columns in the separation of unusual amino acids. Journal of Chromatography A, 2004, 1031, 159-170.	1.8	46
321	High Efficiency Liquid and Superâ€Subcritical Fluidâ€Based Enantiomeric Separations: An Overview. Journal of Liquid Chromatography and Related Technologies, 2004, 27, 1121-1178.	0.5	33
322	Chiral Ionic Liquids as Stationary Phases in Gas Chromatography. Analytical Chemistry, 2004, 76, 6819-6822.	3.2	275
323	Selective separations of peptides with sequence deletions, single amino acid polymorphisms, and/or epimeric centers using macrocyclic glycopeptide liquid chromatography stationary phases. Journal of Chromatography A, 2004, 1053, 89-99.	1.8	15
324	Selective separations of peptides with sequence deletions, single amino acid polymorphisms, and/or epimeric centers using macrocyclic glycopeptide liquid chromatography stationary phases. Journal of Chromatography A, 2004, 1053, 89-99.	1.8	5

#	Article	IF	Citations
325	Separation of the enantiomers of substituted dihydrofurocoumarins by HPLC using macrocyclic glycopeptide chiral stationary phases. Analytical and Bioanalytical Chemistry, 2003, 377, 639-654.	1.9	25
326	Enantioseparation of dihydrofurocoumarin derivatives by various separation modes of capillary electrophoresis. Electrophoresis, 2003, 24, 2650-2656.	1.3	15
327	Ionic matrices for matrix-assisted laser desorption/ionization time-of-flight detection of DNA oligomers. Rapid Communications in Mass Spectrometry, 2003, 17, 553-560.	0.7	139
328	Cyclodextrin-based liquid chromatographic enantiomeric separation of chiral dihydrofurocoumarins, an emerging class of medicinal compounds. Journal of Chromatography A, 2003, 1011, 37-47.	1.8	38
329	High-Stability Ionic Liquids. A New Class of Stationary Phases for Gas Chromatography. Analytical Chemistry, 2003, 75, 4851-4858.	3.2	455
330	Separation, Identification, and Characterization of Microorganisms by Capillary Electrophoresis. Microbiology and Molecular Biology Reviews, 2003, 67, 38-51.	2.9	120
331	Mechanistic Aspects in the Generation of Apparent Ultrahigh Efficiencies for Colloidal (Microbial) Electrokinetic Separations. Analytical Chemistry, 2002, 74, 5523-5530.	3.2	66
332	Characterizing Ionic Liquids On the Basis of Multiple Solvation Interactions. Journal of the American Chemical Society, 2002, 124, 14247-14254.	6.6	1,036
333	STUDY OF MECHANISM OF ENANTIOSEPARATION. II. HPLC CHIRAL ANALYSIS OF ALKOXYSUBSTITUTED ESTERS OF PHENYLCARBAMIC ACID. Journal of Liquid Chromatography and Related Technologies, 2002, 25, 1711-1720.	0.5	3
334	Enantioseparation of chiral sulfoxides and sulfinate esters by capillary electrophoresis. Electrophoresis, 2002, 23, 1561.	1.3	21
335	Monitoring the migration behavior of living microorganisms in capillary electrophoresis using laser-induced fluorescence detection with a charge-coupled device imaging system. Electrophoresis, 2002, 23, 2048.	1.3	61
336	Evaluation of non-polar interactions in chiral recognition by alkylated Î²- and Î³-cyclodextrin chiral stationary phases. Journal of Separation Science, 2002, 25, 45-52.	1.3	13
337	Separation of chiral sulfoxides by liquid chromatography using macrocyclic glycopeptide chiral stationary phases. Journal of Chromatography A, 2002, 955, 53-69.	1.8	63
338	Effects of temperature on retention of chiral compounds on a ristocetin A chiral stationary phase. Journal of Chromatography A, 2002, 958, 89-107.	1.8	103
339	Super/subcritical fluid chromatography chiral separations with macrocyclic glycopeptide stationary phases. Journal of Chromatography A, 2002, 978, 185-204.	1.8	113
340	Product Review: Chiral Stationary Phases for HPLC. Analytical Chemistry, 2001, 73, 557 A-561 A.	3.2	67
341	Direct chiral separation of unnatural amino acids by high-performance liquid chromatography on a ristocetin a-bonded stationary phase. Chirality, 2001, 13, 648-656.	1.3	27
342	Composition and chirality of amino acids in aerosol/dust from laboratory and residential enclosures. Chirality, 2001, 13, 153-158.	1.3	27

#	Article	IF	Citations
343	Methods for the determination of binding constants by capillary electrophoresis. Electrophoresis, 2001, 22, 1419-1427.	1.3	182
344	Ionic Liquids as Matrixes for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2001, 73, 3679-3686.	3.2	453
345	Retention and Selectivity of Teicoplanin Stationary Phases after Copper Complexation and Isotopic Exchange. Analytical Chemistry, 2001, 73, 5499-5508.	3.2	30
346	Determination of Cell Viability in Single or Mixed Samples Using Capillary Electrophoresis Laser-Induced Fluorescence Microfluidic Systems. Analytical Chemistry, 2001, 73, 4551-4557.	3.2	101
347	Rapid CE microbial assays for consumer products that contain active bacteria. FEMS Microbiology Letters, 2001, 194, 33-37.	0.7	88
348	Evaluation of the macrocyclic glycopeptide A-40,926 as a high-performance liquid chromatographic chiral selector and comparison with teicoplanin chiral stationary phase. Journal of Chromatography A, 2000, 897, 113-129.	1.8	55
349	High-performance liquid chromatographic separation of enantiomers of synthetic amino acids on a ristocetin A chiral stationary phase. Journal of Chromatography A, 2000, 904, 1-15.	1.8	50
350	Role of the Carbohydrate Moieties in Chiral Recognition on Teicoplanin-Based LC Stationary Phases. Analytical Chemistry, 2000, 72, 1767-1780.	3.2	213
351	Rapid Identification of the Bacterial Pathogens Responsible for Urinary Tract Infections Using Direct Injection CE. Analytical Chemistry, 2000, 72, 4474-4476.	3.2	95
352	RESOLUTION OF CHIRAL THIOL COMPOUNDS DERIVATIZED WITH N-(1-PYRENYL)-MALEIMIDE AND THIOGLOâ„¢3. Journal of Liquid Chromatography and Related Technologies, 2000, 23, 1941-1952.	0.5	25
353	Evaluation of a Vancomycin Chiral Stationary Phase in Capillary Electrochromatography Using Polar Organic and Reversed-Phase Modes. Analytical Chemistry, 2000, 72, 4394-4401.	3.2	99
354	Enantiomeric impurities in chiral catalysts, auxiliaries, synthons and resolving agents. Part 2. Tetrahedron: Asymmetry, 1999, 10, 37-60.	1.8	42
355	Effect of Selector Coverage and Mobile Phase Composition on Enantiomeric Separations with Ristocetin A Chiral Stationary Phases. Microchemical Journal, 1999, 62, 26-49.	2.3	32
356	Separation of enantiomers by capillary electrophoresis using pentosan polysulfate. Electrophoresis, 1999, 20, 162-170.	1.3	39
357	Avoparcin, a new macrocyclic antibiotic chiral run buffer additive for capillary electrophoresis. Electrophoresis, 1999, 20, 2438-2457.	1.3	33
358	Enantiomeric composition of nornicotine, anatabine, and anabasine in tobacco. Chirality, 1999, 11, 82-84.	1.3	48
359	Evaluation of the enantiomeric composition of amino acids in tobacco. , 1999, 11, 669-673.		17
360	Examination of Ionic Liquids and Their Interaction with Molecules, When Used as Stationary Phases in Gas Chromatography. Analytical Chemistry, 1999, 71, 3873-3876.	3.2	615

#	Article	IF	Citations
361	Separating Microbes in the Manner of Molecules. 1. Capillary Electrokinetic Approaches. Analytical Chemistry, 1999, 71, 5465-5469.	3.2	178
362	Chiral separations of indan, tetralin and benzosuberan derivatives by capillary electrophoresis. Journal of Chromatography A, 1998, 793, 135-143.	1.8	14
363	High-performance liquid chromatographic separation of enantiomers of unusual amino acids on a teicoplanin chiral stationary phase. Journal of Chromatography A, 1998, 793, 283-296.	1.8	120
364	Highly enantioselective HPLC separations using the covalently bonded macrocyclic antibiotic, ristocetin A, chiral stationary phase. , 1998, 10, 434-483.		149
365	Enantiomeric composition of nicotine in smokeless tobacco, medicinal products, and commercial reagents. Chirality, 1998, 10, 587-591.	1.3	65
366	Evaluation of the macrocyclic antibiotic avoparcin as a new chiral selector for HPLC. , 1998, 10, 627-660.		87
367	Kurt Mislow honorary issue of Chirality. Chirality, 1998, 10, 1-2.	1.3	0
368	Enantiomeric impurities in chiral catalysts, auxiliaries and synthons used in enantioselective synthesis. Tetrahedron: Asymmetry, 1998, 9, 2043-2064.	1.8	45
369	Nicotine enantiomers and oxidative stress. Toxicology, 1998, 130, 155-165.	2.0	105
370	Practice and mechanism of HPLC oligosaccharide separation with a cyclodextrin bonded phase. Talanta, 1998, 47, 1001-1012.	2.9	72
371	Quantitative and stereoisomeric determination of light biomarkers in crude oil and coal samples. Geochimica Et Cosmochimica Acta, 1998, 62, 1619-1630.	1.6	13
372	The Evolution of Chiral Stationary Phases for Liquid Chromatography. Journal of the Chinese Chemical Society, 1998, 45, 581-590.	0.8	17
373	Determination of Association Constants in Cyclodextrin or Vancomycin-Modified Micellar Capillary Electrophoresis. Journal of Liquid Chromatography and Related Technologies, 1997, 20, 203-216.	0.5	15
374	Enantiomeric composition of monoterpenes in conifer resins. Tetrahedron: Asymmetry, 1997, 8, 3977-3984.	1.8	28
375	Methods for the estimation of binding constants by capillary electrophoresis. Electrophoresis, 1997, 18, 2194-2202.	1.3	153
376	Capillary electrophoretic enantioseparations using macrocyclic antibiotics as chiral selectors. Electrophoresis, 1997, 18, 2331-2342.	1.3	137
377	Chiral separation of monoterpenes using mixtures of sulfated Î²-cyclodextrins and Î±-cyclodextrin as chiral additives in the reversed-polarity capillary electrophoresis mode. Journal of Chromatography A, 1997, 759, 149-155.	1.8	66
378	Mechanism of Signal Suppression by Anionic Surfactants in Capillary Electrophoresisâ^'Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 1996, 68, 3493-3497.	3.2	171

#	Article	IF	Citations
379	Derivatized vancomycin stationary phases for LC chiral separations. Talanta, 1996, 43, 1767-1782.	2.9	50
380	Comparison and Modeling Study of Vancomycin, Ristocetin A, and Teicoplanin for CE Enantioseparations. Analytical Chemistry, 1996, 68, 2501-2514.	3.2	239
381	In vitro study of the metabolic effects ofD-amino acids. , 1996, 8, 24-29.		30
382	Enantiomeric composition and prevalence of some bicyclic monoterpenoids in amber. Chirality, 1996, 8, 39-48.	1.3	21
383	Evaluation of the concentration and enantiomeric purity of selected free amino acids in fermented malt beverages (beers). , 1996, 8, 49-57.		25
384	Capillary electrophoretic enantiomeric separations using the glycopeptide antibiotic, teicoplanin. Chirality, 1996, 8, 88-107.	1.3	98
385	Elucidation of vancomycin's enantioselective binding site using its copper complex. Chirality, 1996, 8, 590-595.	1.3	69
386	Halocarbon separations on a new GSC-PLOT column. Journal of Separation Science, 1996, 8, 83-87.	1.0	8
387	Examination of the origin, variation, and proper use of expressions for the estimation of association constants by capillary electrophoresis. Journal of Chromatography A, 1996, 721, 173-186.	1.8	273
388	Facile liquid chromatographic enantioresolution of native amino acids and peptides using a teicoplanin chiral stationary phase. Journal of Chromatography A, 1996, 731, 123-137.	1.8	294
389	Sixth International Symposium on chiral discrimination. , 1996, 8, 1.		2
390	A covalently bonded teicoplanin chiral stationary phase for HPLC enantioseparations. Chirality, 1995, 7, 474-497.	1.3	327
391	Highly enantioselective capillary electrophoretic separations with dilute solutions of the macrocyclic antibiotic ristocetin A. Journal of Chromatography A, 1995, 689, 285-304.	1.8	153
392	Effect of Organic Cosolvents on Enantio-Enrichments via Cyclodextrin-Based Precipitations: An Examination of Production Efficiency. Separation Science and Technology, 1995, 30, 2259-2276.	1.3	3
393	Determination and use of Rohrschneider-McReynolds constants for chiral stationary phases used in capillary gas chromatography. Analytical Chemistry, 1995, 67, 849-857.	3.2	50
394	Effect of Micelles and Mixed Micelles on Efficiency and Selectivity of Antibiotic-Based Capillary Electrophoretic Enantioseparations. Analytical Chemistry, 1995, 67, 2088-2095.	3.2	121
395	CE Resolution of Neutral and Anionic Racemates with Glycopeptide Antibiotics and Micelles. Journal of Liquid Chromatography and Related Technologies, 1995, 18, 3659-3674.	0.9	46
396	An Evaluation of the Differential Partitioning and Separation of C60and C70Fullerenes in a Biphasic System Using Centrifugal Partition Chromatography (CPC). Journal of Liquid Chromatography and Related Technologies, 1995, 18, 1019-1034.	0.9	1

#	Article	IF	Citations
397	HPLC Enantioseparation Of Dl-and Tripeptides on Cyclodextrin Bonded Stationary Phases After Derivatization with 6-Aminoquinolyl-N-hydroxysuccinimidyl Carbamate (AQC). Journal of Liquid Chromatography and Related Technologies, 1994, 17, 483-497.	0.9	27
398	Cyclodextrin PLOT columns for the gas-solid chromatographic separation of light hydrocarbons and inorganic gases. Journal of Separation Science, 1994, 6, 151-157.	1.0	9
399	Evaluation of enantiomeric purity of selected amino acids in honey. Chirality, 1994, 6, 270-276.	1.3	51
400	Evaluation of freeD-glutamate in processed foods. Chirality, 1994, 6, 277-282.	1.3	33
401	Evaluation of the macrocyclic antibiotic vancomycin as a chiral selector for capillary electrophoresis. Chirality, 1994, 6, 496-509.	1.3	302
402	Sensitive enantiomeric separation of aliphatic and aromatic amines using aromatic anhydrides as non-chiral derivatizing agents. Journal of Chromatography A, 1994, 666, 485-491.	1.8	14
403	Macrocyclic Antibiotics as a New Class of Chiral Selectors for Liquid Chromatography. Analytical Chemistry, 1994, 66, 1473-1484.	3.2	702
404	Use of a Macrocyclic Antibiotic, Rifamycin B, and Indirect Detection for the Resolution of Racemic Amino Alcohols by CE. Analytical Chemistry, 1994, 66, 1690-1695.	3.2	230
405	D-amino acid levels in human physiological fluids. Chirality, 1993, 5, 375-378.	1.3	102
406	Enantiomeric separation of fluorescent, 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate, tagged amino acids. Journal of Chromatography A, 1993, 641, 257-265.	1.8	104
407	Stereochemistry of pipecolic acid found in the urine and plasma of subjects with peroxisomal deficiencies. Journal of Pharmaceutical and Biomedical Analysis, 1993, 11, 881-886.	1.4	39
408	Derivatized cyclodextrins immobilized on fused-silica capillaries for enantiomeric separations via capillary electrophoresis, gas chromatography, or supercritical fluid chromatography. Analytical Chemistry, 1993, 65, 1114-1117.	3.2	173
409	Î²-Cyclodextrin chiral stationary phases for liquid chromatography. Effect of the spacer arm on chiral recognition. Talanta, 1993, 40, 1367-1373.	2.9	44
410	Removal of Organic Compounds from Water via Cloud-Point Extraction with Permethyl Hydroxypropyl-Î²-cyclodextrin. Separation Science and Technology, 1993, 28, 1009-1018.	1.3	17
411	Extraction of Nonionic Surfactants from Waste Water Using Centrifugal Partition Chromatography. Journal of Liquid Chromatography and Related Technologies, 1992, 15, 2909-2925.	0.9	17
412	Direct Octanol Water Partition Coefficient Determination Using Co-Current Chromatography. Journal of Liquid Chromatography and Related Technologies, 1992, 15, 2769-2785.	0.9	25
413	Multiple enantioselective retention mechanisms on derivatized cyclodextrin gas chromatographic chiral stationary phases.. Analytical Chemistry, 1992, 64, 873-879.	3.2	205
414	Facile Resolution OF N-tert-Butoxy-Carbonyl Amino Acids: The Importance of Enantiomeric Purity in Peptide Synthesis. Journal of Liquid Chromatography and Related Technologies, 1992, 15, 1411-1429.	0.9	40

#	Article	IF	Citations
415	Empirical procedure that uses molecular structure to predict enantioselectivity of chiral stationary phases. Analytical Chemistry, 1992, 64, 395-404.	3.2	82
416	Efficient enantioselective separation and determination of trace impurities in secondary amino acids (i.e., imino acids). Journal of Chromatography A, 1992, 623, 33-41.	1.8	72
417	Cyclodextrin Purification with Hollow Fibers. Separation Science and Technology, 1991, 26, 515-527.	1.3	4
418	Resolution of enantiomeric hydrocarbon biomarkers of geochemical importance. Analytical Chemistry, 1991, 63, 2858-2861.	3.2	30
419	(R)- and (S)-Naphthylethylcarbamate-substituted Î²-cyclo-dextrin bonded stationary phases for the reversed-phase liquid chromatographic separation of enantiomers. Journal of Chromatography A, 1991, 539, 83-90.	1.8	124
420	Effect of the configuration of the substituents of derivatized Î²-cyclodextrin bonded phases on enantioselectivity in normal-phase liquid chromatography. Journal of Chromatography A, 1991, 540, 113-128.	1.8	98
421	Determination of the enantiomeric purity of scopolamine isolated from plant extract using achiral/chiral coupled column chromatography. Biomedical Chromatography, 1991, 5, 3-7.	0.8	18
422	Evaluation of A Chiral Crown Etherlc Column For the Separation of Racemic Amines. Journal of Liquid Chromatography and Related Technologies, 1991, 14, 9-28.	0.9	78
423	Chiral Separations Using Native and Functionalized Cyclodextrin-Bonded Stationary Phases in High-Pressure Liquid Chromatography. ACS Symposium Series, 1991, , 67-100.	0.5	35
424	Evaluation of the Enantiomeric Separation of Dipeptides Using a Chiral Crown Ether LC Column. Journal of Liquid Chromatography and Related Technologies, 1991, 14, 3673-3683.	0.9	75
425	Interactions of chiral molecules with an (r)-n-(3,5-dinitrobenzoyl) phenylglycine HPLC stationary phase. Chirality, 1990, 2, 38-42.	1.3	9
426	Cyclodextrin chiral stationary phases for liquid chromatographic separations of drug stereoisomers. Journal of Pharmaceutical and Biomedical Analysis, 1990, 8, 123-130.	1.4	74
427	Separation of carotenes on cyclodextrin-bonded phases. Journal of Chromatography A, 1990, 499, 627-635.	1.8	23
428	(S)-2-Hydroxyprophyl-Î²-cyclodextrin, a new chiral stationary phase for reversed-phase liquid chromatography. Journal of Chromatography A, 1990, 513, 181-194.	1.8	147
429	Acylation effects on chiral recognition of racemic amines and alchols by new polar and non-polar cyclodextrin derivative gas chromatographic phases. Journal of Chromatography A, 1990, 502, 154-159.	1.8	35
430	Direct Measurement of Octanol-Water Partition Coefficients Using Centrifugal Partition Chromatography with a Back-Flushing Technique. Journal of Liquid Chromatography and Related Technologies, 1990, 13, 3061-3077.	0.9	30
431	Separation of Enantiomers Using a Î³-Cyclodextrin Liquid Chromatographic Bonded Phase. Journal of Liquid Chromatography and Related Technologies, 1990, 13, 473-484.	0.9	19
432	Use of Centrifugal Partition Chromatography and Proteins in The Preparative Separation of Amino Acid Enantiomers. Journal of Liquid Chromatography and Related Technologies, 1990, 13, 3571-3581.	0.9	15

#	Article	IF	Citations
433	Reversing enantioselectivity in capillary gas chromatography with polar and nonpolar cyclodextrin derivative phases. Analytical Chemistry, 1990, 62, 214-217.	3.2	94
434	Relevance of enantiomeric separations in food and beverage analyses. Journal of Agricultural and Food Chemistry, 1990, 38, 1674-1677.	2.4	97
435	Derivatized cyclodextrins for normal-phase liquid chromatographic separation of enantiomers. Analytical Chemistry, 1990, 62, 1610-1615.	3.2	199
436	Polar-liquid, derivatized cyclodextrin stationary phases for the capillary gas chromatography separation of enantiomers. Analytical Chemistry, 1990, 62, 914-923.	3.2	159
437	Liquid chromatographic separation of anomeric forms of saccharides with cyclodextrin bonded phases. Chirality, 1989, 1, 27-37.	1.3	41
438	Optical enrichment of dansyl-rac-amino acids by formation of crystalline inclusion complexes with cyclodextrins. Chirality, 1989, 1, 137-141.	1.3	13
439	Evaluation of the liquid chromatographic separation of monosaccharides, disaccharides, trisaccharides, tetrasaccharides, deoxysaccharides and sugar alcohols with stable cyclodextrin bonded phase columns. Journal of Chromatography A, 1989, 462, 219-232.	1.8	110
440	Substituent effects on the binding of phenols to cyclodextrins in aqueous solution. The Journal of Physical Chemistry, 1989, 93, 6863-6867.	2.9	122
441	Use of hydroxypropyl- and hydroxyethyl-derivatized Î²-cyclodextrins for the thin-layer chromatographic separation of enantiomers and diastereomers. Journal of Chromatography A, 1988, 452, 323-330.	1.8	106
442	Planar chromatographic separation of enantiomers and diastereomers with cyclodextrin mobile phase additives. Journal of Chromatography A, 1988, 448, 345-354.	1.8	72
443	Centrifugal Partition Chromatography. V. Octanol-Water Partition Coefficients, Direct and Indirect Determination. Journal of Liquid Chromatography and Related Technologies, 1988, 11, 1441-1456.	0.9	41
444	Theoretical considerations concerning the separation of enantiomeric solutes by liquid chromatography. Analytical Chemistry, 1988, 60, 522-528.	3.2	103
445	Separation of Cyclodextrins Using Cyclodextrin Bonded Phases. Journal of Liquid Chromatography and Related Technologies, 1988, 11, 3295-3304.	0.9	27
446	Centrifugal Partition Chromatography. I. General Features. Journal of Liquid Chromatography and Related Technologies, 1988, 11, 547-566.	0.9	56
447	Centrifugal Partition Chromatography. III. Physico-Chemical Properties of Ternary Liquid Systems. Journal of Liquid Chromatography and Related Technologies, 1988, 11, 1171-1185.	0.9	15
448	Enantiomeric resolution and chiral recognition of racemic nicotine and nicotine analogs by .beta.-cyclodextrin complexation. Structure-enantiomeric resolution relationships in host-guest interactions. Analytical Chemistry, 1988, 60, 2120-2127.	3.2	76
449	Centrifugal Partition Chromatography. II. Selectivity Efficiency. Journal of Liquid Chromatography and Related Technologies, 1988, 11, 567-583.	0.9	28
450	Centrifugal Partition Chromatography. vi. Temperature Effects. Journal of Liquid Chromatography and Related Technologies, 1988, 11, 1457-1474.	0.9	14

#	Article	IF	Citations
451	Centrifugal Partition Chromatography. IV. Preparative Sample Purification and Partition Coefficient Determination. Journal of Liquid Chromatography and Related Technologies, 1988, 11, 1187-1204.	0.9	30
452	Enrichment of enantiomers and other isomers with aqueous liquid membranes containing cyclodextrin carriers. Analytical Chemistry, 1987, 59, 2237-2241.	3.2	105
453	Direct liquid chromatographic separation of racemates with an .alpha.-cyclodextrin bonded phase. Analytical Chemistry, 1987, 59, 2594-2596.	3.2	142
454	Separation of optical isomers of scopolamine, cocaine, homatropine, and atropine. Analytical Biochemistry, 1987, 167, 261-264.	1.1	53
455	Use of microcolumn liquid chromatography with a chiral stationary phase for the separation of low-resolution enantiomers. Journal of Chromatography A, 1987, 389, 256-260.	1.8	36
456	Enantiomeric resolution of racemic nicotine and nicotine analogues by microcolumn liquid chromatography with Î²-cyclodextrin inclusion complexes. Journal of Chromatography A, 1987, 411, 490-493.	1.8	35
457	Improved Cyclodextrin Chiral Phases: A Comparison and Review. Journal of Liquid Chromatography and Related Technologies, 1986, 9, 407-423.	0.9	197
458	Micellar effects on molecular diffusion: theoretical and chromatographic considerations. Analytical Chemistry, 1986, 58, 579-582.	3.2	104
459	Liquid chromatographic separation of diastereomers and structural isomers on cyclodextrin-bonded phases. Analytical Chemistry, 1985, 57, 234-237.	3.2	171
460	Separation of Mycotoxins, Polycyclic Aromatic Hydrocarbons, Quinones, and Heterocyclic Compounds on Cyclodextrin Bonded Phases: An Alternative LC Packing. Journal of Liquid Chromatography and Related Technologies, 1985, 8, 261-269.	0.9	57
461	Micelles in Separations: Practical and Theoretical Review. Separation and Purification Reviews, 1985, 14, 213-304.	0.8	194
462	Separation of Metallocene Enantiomers by Liquid Chromatography: Chiral Recognition Via Cyclodextrin Bonded Phases. Analytical Chemistry, 1985, 57, 481-484.	3.2	183
463	Liquid chromatographic separation of enantiomers using a chiral .beta.-cyclodextrin-bonded stationary phase and conventional aqueous-organic mobile phases. Analytical Chemistry, 1985, 57, 237-242.	3.2	275
464	Synthesis, rapid resolution, and determination of absolute configuration of racemic 2,2'-binaphthyldiyl crown ethers and analogs via .beta.-cyclodextrin complexation. Journal of Organic Chemistry, 1985, 50, 5556-5559.	1.7	72
465	A Comparison of Polymer Separation Efficiency and Resolution by Gradient LC, GPC and TLC. Journal of Liquid Chromatography and Related Technologies, 1984, 7, 29-43.	0.9	20
466	Chiral Stationary Phases for High Performance Liquid Chromatographic Separation of Enantiomers: A Mini-Review. Journal of Liquid Chromatography and Related Technologies, 1984, 7, 353-376.	0.9	203
467	Chromatography of Amino Acids on Reversed Phase Thin Layer Plates. Journal of Liquid Chromatography and Related Technologies, 1983, 6, 95-108.	0.9	23
468	Evaluation of partition coefficients to micelles and cyclodextrins via planar chromatography. Journal of the American Chemical Society, 1983, 105, 2962-2964.	6.6	93

#	Article	IF	Citations
469	Practice, Mechanism and Theory of Reversed Phase TLC Polymer Fractionation. Journal of Liquid Chromatography and Related Technologies, 1983, 6, 1-22.	0.9	40
470	Mechanism of enhancement of analyte sensitivity by surfactants in flame atomic spectrometry. Analytical Chemistry, 1982, 54, 1325-1329.	3.2	52
471	Partitioning behavior of solutes eluted with micellar mobile phases in liquid chromatography. Analytical Chemistry, 1981, 53, 1662-1666.	3.2	426
472	Thin Layer Chromatographic Separation of Ortho, Meta, and Para Substituted Benzoic Acids and Phenols with Aqueous Solutions of Î±-Cyclodextrin. Analytical Letters, 1980, 13, 1093-1104.	1.0	106
473	Use of an Aqueous Micellar Mobile Phase for Separation of Phenols and Polynuclear Aromatic Hydrocarbons via HPLC. Journal of Liquid Chromatography and Related Technologies, 1980, 3, 657-662.	0.9	208
474	Pseudophase Liquid Chromatography: Applications to TLC. Journal of Liquid Chromatography and Related Technologies, 1980, 3, 895-900.	0.9	87
475	Analysis of Enantiomeric Compounds Using Multidimensional Liquid Chromatography. , 0, , 319-344.		1