

Daniel W Armstrong

List of Publications by Year in descending order

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4146

87
h-index

7950

149
g-index

480
all docs

480
docs citations

480
times ranked

13050
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#	ARTICLE	IF	CITATIONS
1	Characterizing Ionic Liquids On the Basis of Multiple Solvation Interactions. Journal of the American Chemical Society, 2002, 124, 14247-14254.	13.7	1,036
2	Ionic Liquids in Separations. Accounts of Chemical Research, 2007, 40, 1079-1086.	15.6	967
3	Structure and Properties of High Stability Geminal Dicationic Ionic Liquids. Journal of the American Chemical Society, 2005, 127, 593-604.	13.7	712
4	Macrocyclic Antibiotics as a New Class of Chiral Selectors for Liquid Chromatography. Analytical Chemistry, 1994, 66, 1473-1484.	6.5	702
5	Ionic liquids in analytical chemistry. Analytica Chimica Acta, 2010, 661, 1-16.	5.4	670
6	Examination of Ionic Liquids and Their Interaction with Molecules, When Used as Stationary Phases in Gas Chromatography. Analytical Chemistry, 1999, 71, 3873-3876.	6.5	615
7	High-Stability Ionic Liquids. A New Class of Stationary Phases for Gas Chromatography. Analytical Chemistry, 2003, 75, 4851-4858.	6.5	455
8	Ionic Liquids as Matrixes for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2001, 73, 3679-3686.	6.5	453
9	Ionic Liquids in Analytical Chemistry. Analytical Chemistry, 2006, 78, 2892-2902.	6.5	433
10	Partitioning behavior of solutes eluted with micellar mobile phases in liquid chromatography. Analytical Chemistry, 1981, 53, 1662-1666.	6.5	426
11	Immobilized Ionic Liquids as High-Selectivity/High-Temperature/High-Stability Gas Chromatography Stationary Phases. Analytical Chemistry, 2005, 77, 6453-6462.	6.5	388
12	A covalently bonded teicoplanin chiral stationary phase for HPLC enantioseparations. Chirality, 1995, 7, 474-497.	2.6	327
13	Evaluation of the macrocyclic antibiotic vancomycin as a chiral selector for capillary electrophoresis. Chirality, 1994, 6, 496-509.	2.6	302
14	Facile liquid chromatographic enantioresolution of native amino acids and peptides using a teicoplanin chiral stationary phase. Journal of Chromatography A, 1996, 731, 123-137.	3.7	294
15	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.	6.5	275
16	Chiral Ionic Liquids as Stationary Phases in Gas Chromatography. Analytical Chemistry, 2004, 76, 6819-6822.	6.5	275
17	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.	3.7	273
18	Chiral ionic liquids: Synthesis and applications. Chirality, 2005, 17, 281-292.	2.6	272

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19	Comparison and Modeling Study of Vancomycin, Ristocetin A, and Teicoplanin for CE Enantioseparations. <i>Analytical Chemistry</i> , 1996, 68, 2501-2514.	6.5	239
20	Use of a Macrocyclic Antibiotic, Rifamycin B, and Indirect Detection for the Resolution of Racemic Amino Alcohols by CE. <i>Analytical Chemistry</i> , 1994, 66, 1690-1695.	6.5	230
21	Unsymmetrical Dicationic Ionic Liquids: Manipulation of Physicochemical Properties Using Specific Structural Architectures. <i>Chemistry of Materials</i> , 2007, 19, 5848-5850.	6.7	216
22	Role of the Carbohydrate Moieties in Chiral Recognition on Teicoplanin-Based LC Stationary Phases. <i>Analytical Chemistry</i> , 2000, 72, 1767-1780.	6.5	213
23	Use of an Aqueous Micellar Mobile Phase for Separation of Phenols and Polynuclear Aromatic Hydrocarbons via HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1980, 3, 657-662.	1.0	208
24	Multiple enantioselective retention mechanisms on derivatized cyclodextrin gas chromatographic chiral stationary phases.. <i>Analytical Chemistry</i> , 1992, 64, 873-879.	6.5	205
25	Chiral Stationary Phases for High Performance Liquid Chromatographic Separation of Enantiomers: A Mini-Review. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1984, 7, 353-376.	1.0	203
26	Derivatized cyclodextrins for normal-phase liquid chromatographic separation of enantiomers. <i>Analytical Chemistry</i> , 1990, 62, 1610-1615.	6.5	199
27	Improved Cyclodextrin Chiral Phases: A Comparison and Review. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1986, 9, 407-423.	1.0	197
28	Using Geminal Dicationic Ionic Liquids as Solvents for High-Temperature Organic Reactions. <i>Organic Letters</i> , 2005, 7, 4205-4208.	4.6	197
29	Micelles in Separations: Practical and Theoretical Review. <i>Separation and Purification Reviews</i> , 1985, 14, 213-304.	0.8	194
30	Separation of Metallocene Enantiomers by Liquid Chromatography: Chiral Recognition Via Cyclodextrin Bonded Phases. <i>Analytical Chemistry</i> , 1985, 57, 481-484.	6.5	183
31	Methods for the determination of binding constants by capillary electrophoresis. <i>Electrophoresis</i> , 2001, 22, 1419-1427.	2.4	182
32	Separating Microbes in the Manner of Molecules. 1. Capillary Electrokinetic Approaches. <i>Analytical Chemistry</i> , 1999, 71, 5465-5469.	6.5	178
33	Derivatized cyclodextrins immobilized on fused-silica capillaries for enantiomeric separations via capillary electrophoresis, gas chromatography, or supercritical fluid chromatography. <i>Analytical Chemistry</i> , 1993, 65, 1114-1117.	6.5	173
34	Highly Efficient Asymmetric Direct Stoichiometric Aldol Reactions on/in Water. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9073-9077.	13.8	173
35	Liquid chromatographic separation of diastereomers and structural isomers on cyclodextrin-bonded phases. <i>Analytical Chemistry</i> , 1985, 57, 234-237.	6.5	171
36	Mechanism of Signal Suppression by Anionic Surfactants in Capillary Electrophoresis~Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 1996, 68, 3493-3497.	6.5	171

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37	Separation and analysis of colloidal/nano-particles including microorganisms by capillary electrophoresis: a fundamental review. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 800, 7-25.	2.3	166
38	Characterization of phosphonium ionic liquids through a linear solvation energy relationship and their use as GLC stationary phases. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1605-1617.	3.7	163
39	Polar-liquid, derivatized cyclodextrin stationary phases for the capillary gas chromatography separation of enantiomers. <i>Analytical Chemistry</i> , 1990, 62, 914-923.	6.5	159
40	Development of New HPLC Chiral Stationary Phases Based on Native and Derivatized Cyclofructans. <i>Analytical Chemistry</i> , 2009, 81, 10215-10226.	6.5	157
41	Highly enantioselective capillary electrophoretic separations with dilute solutions of the macrocyclic antibiotic ristocetin A. <i>Journal of Chromatography A</i> , 1995, 689, 285-304.	3.7	153
42	Methods for the estimation of binding constants by capillary electrophoresis. <i>Electrophoresis</i> , 1997, 18, 2194-2202.	2.4	153
43	Advances in high-throughput and high-efficiency chiral liquid chromatographic separations. <i>Journal of Chromatography A</i> , 2016, 1467, 2-18.	3.7	153
44	PEG-linked geminal dicationic ionic liquids as selective, high-stability gas chromatographic stationary phases. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 2265-2275.	3.7	152
45	Highly enantioselective HPLC separations using the covalently bonded macrocyclic antibiotic, ristocetin A, chiral stationary phase. , 1998, 10, 434-483.		149
46	(S)-2-Hydroxypropyl- β -cyclodextrin, a new chiral stationary phase for reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 1990, 513, 181-194.	3.7	147
47	Trigonal Tricationic Ionic Liquids: A Generation of Gas Chromatographic Stationary Phases. <i>Analytical Chemistry</i> , 2009, 81, 160-173.	6.5	146
48	Direct liquid chromatographic separation of racemates with an α -cyclodextrin bonded phase. <i>Analytical Chemistry</i> , 1987, 59, 2594-2596.	6.5	142
49	Gone in Seconds: Praxis, Performance, and Peculiarities of Ultrafast Chiral Liquid Chromatography with Superficially Porous Particles. <i>Analytical Chemistry</i> , 2015, 87, 9137-9148.	6.5	140
50	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.	1.5	139
51	Capillary electrophoretic enantioseparations using macrocyclic antibiotics as chiral selectors. <i>Electrophoresis</i> , 1997, 18, 2331-2342.	2.4	137
52	Use of Chiral Ionic Liquids as Solvents for the Enantioselective Photoisomerization of Dibenzobicyclo[2.2.2]octatrienes. <i>Organic Letters</i> , 2005, 7, 335-337.	4.6	137
53	Use of CE for the determination of binding constants. <i>Electrophoresis</i> , 2010, 31, 17-27.	2.4	136
54	Dicationic ionic liquid stationary phase for GC-MS analysis of volatile compounds in herbal plants. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 889-899.	3.7	133

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55	Enzyme-Catalyzed Hydrolysis of Cellulose in Ionic Liquids: A Green Approach Toward the Production of Biofuels. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8221-8227.	2.6	127
56	Ionic Liquids in Analytical Chemistry. <i>Annual Review of Analytical Chemistry</i> , 2009, 2, 145-168.	5.4	125
57	(R)- and (S)-Naphthylethylcarbamate-substituted β -cyclo-dextrin bonded stationary phases for the reversed-phase liquid chromatographic separation of enantiomers. <i>Journal of Chromatography A</i> , 1991, 539, 83-90.	3.7	124
58	Substituent effects on the binding of phenols to cyclodextrins in aqueous solution. <i>The Journal of Physical Chemistry</i> , 1989, 93, 6863-6867.	2.9	122
59	Effect of Micelles and Mixed Micelles on Efficiency and Selectivity of Antibiotic-Based Capillary Electrophoretic Enantioseparations. <i>Analytical Chemistry</i> , 1995, 67, 2088-2095.	6.5	121
60	High-performance liquid chromatographic separation of enantiomers of unusual amino acids on a teicoplanin chiral stationary phase. <i>Journal of Chromatography A</i> , 1998, 793, 283-296.	3.7	120
61	Separation, Identification, and Characterization of Microorganisms by Capillary Electrophoresis. <i>Microbiology and Molecular Biology Reviews</i> , 2003, 67, 38-51.	6.6	120
62	Chiral ionic liquids: A compendium of syntheses and applications (2005–2012). <i>Chirality</i> , 2012, 24, 17-53.	2.6	119
63	Ultrafast chiral separations for high throughput enantiopurity analysis. <i>Chemical Communications</i> , 2017, 53, 509-512.	4.1	117
64	Super/subcritical fluid chromatography chiral separations with macrocyclic glycopeptide stationary phases. <i>Journal of Chromatography A</i> , 2002, 978, 185-204.	3.7	113
65	Evaluation of the liquid chromatographic separation of monosaccharides, disaccharides, trisaccharides, tetrasaccharides, deoxysaccharides and sugar alcohols with stable cyclodextrin bonded phase columns. <i>Journal of Chromatography A</i> , 1989, 462, 219-232.	3.7	110
66	Thin Layer Chromatographic Separation of Ortho, Meta, and Para Substituted Benzoic Acids and Phenols with Aqueous Solutions of β -Cyclodextrin. <i>Analytical Letters</i> , 1980, 13, 1093-1104.	1.8	106
67	Use of hydroxypropyl- and hydroxyethyl-derivatized β -cyclodextrins for the thin-layer chromatographic separation of enantiomers and diastereomers. <i>Journal of Chromatography A</i> , 1988, 452, 323-330.	3.7	106
68	Enrichment of enantiomers and other isomers with aqueous liquid membranes containing cyclodextrin carriers. <i>Analytical Chemistry</i> , 1987, 59, 2237-2241.	6.5	105
69	Nicotine enantiomers and oxidative stress. <i>Toxicology</i> , 1998, 130, 155-165.	4.2	105
70	Bonded ionic liquid polymeric material for solid-phase microextraction GC analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 511-524.	3.7	105
71	Micellar effects on molecular diffusion: theoretical and chromatographic considerations. <i>Analytical Chemistry</i> , 1986, 58, 579-582.	6.5	104
72	Enantiomeric separation of fluorescent, 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate, tagged amino acids. <i>Journal of Chromatography A</i> , 1993, 641, 257-265.	3.7	104

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73	Theoretical considerations concerning the separation of enantiomeric solutes by liquid chromatography. <i>Analytical Chemistry</i> , 1988, 60, 522-528.	6.5	103
74	Effects of temperature on retention of chiral compounds on a ristocetin A chiral stationary phase. <i>Journal of Chromatography A</i> , 2002, 958, 89-107.	3.7	103
75	D-amino acid levels in human physiological fluids. <i>Chirality</i> , 1993, 5, 375-378.	2.6	102
76	Ultrafast Chiral Chromatography as the Second Dimension in Two-Dimensional Liquid Chromatography Experiments. <i>Analytical Chemistry</i> , 2017, 89, 3545-3553.	6.5	102
77	Determination of Cell Viability in Single or Mixed Samples Using Capillary Electrophoresis Laser-Induced Fluorescence Microfluidic Systems. <i>Analytical Chemistry</i> , 2001, 73, 4551-4557.	6.5	101
78	Evaluation of a Vancomycin Chiral Stationary Phase in Capillary Electrochromatography Using Polar Organic and Reversed-Phase Modes. <i>Analytical Chemistry</i> , 2000, 72, 4394-4401.	6.5	99
79	Effect of the configuration of the substituents of derivatized β -cyclodextrin bonded phases on enantioselectivity in normal-phase liquid chromatography. <i>Journal of Chromatography A</i> , 1991, 540, 113-128.	3.7	98
80	Capillary electrophoretic enantiomeric separations using the glycopeptide antibiotic, teicoplanin. <i>Chirality</i> , 1996, 8, 88-107.	2.6	98
81	Relevance of enantiomeric separations in food and beverage analyses. <i>Journal of Agricultural and Food Chemistry</i> , 1990, 38, 1674-1677.	5.2	97
82	Towards a second generation of ionic liquid matrices (ILMs) for MALDI-MS of Peptides, proteins, and carbohydrates. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 1790-1800.	2.8	96
83	Rapid Identification of the Bacterial Pathogens Responsible for Urinary Tract Infections Using Direct Injection CE. <i>Analytical Chemistry</i> , 2000, 72, 4474-4476.	6.5	95
84	Reversing enantioselectivity in capillary gas chromatography with polar and nonpolar cyclodextrin derivative phases. <i>Analytical Chemistry</i> , 1990, 62, 214-217.	6.5	94
85	Evaluation of partition coefficients to micelles and cyclodextrins via planar chromatography. <i>Journal of the American Chemical Society</i> , 1983, 105, 2962-2964.	13.7	93
86	Effective enantiomeric separations of racemic primary amines by the isopropyl carbamate-cyclofructan6 chiral stationary phase. <i>Journal of Chromatography A</i> , 2010, 1217, 4904-4918.	3.7	93
87	β -Amino Acid Levels in Perfused Mouse Brain Tissue and Blood: A Comparative Study. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1251-1261.	3.5	93
88	A General, Positive Ion Mode ESI-MS Approach for the Analysis of Singly Charged Inorganic and Organic Anions Using a Dicationic Reagent. <i>Analytical Chemistry</i> , 2007, 79, 7346-7352.	6.5	92
89	Rapid CE microbial assays for consumer products that contain active bacteria. <i>FEMS Microbiology Letters</i> , 2001, 194, 33-37.	1.8	88
90	Pseudophase Liquid Chromatography: Applications to TLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1980, 3, 895-900.	1.0	87

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91	Evaluation of the macrocyclic antibiotic avoparcin as a new chiral selector for HPLC. , 1998, 10, 627-660.		87
92	Gas-Phase Ion Association Provides Increased Selectivity and Sensitivity for Measuring Perchlorate by Mass Spectrometry. Analytical Chemistry, 2005, 77, 4829-4835.	6.5	84
93	Empirical procedure that uses molecular structure to predict enantioselectivity of chiral stationary phases. Analytical Chemistry, 1992, 64, 395-404.	6.5	82
94	Salient Sub-Second Separations. Analytical Chemistry, 2016, 88, 8821-8826.	6.5	82
95	Development of dinitrophenylated cyclodextrin derivatives for enhanced enantiomeric separations by high-performance liquid chromatography. Journal of Chromatography A, 2006, 1115, 19-45.	3.7	80
96	On-Chip Drop-to-Drop Liquid Microextraction Coupled with Real-Time Concentration Monitoring Technique. Analytical Chemistry, 2011, 83, 1658-1664.	6.5	80
97	Comprehensive two-dimensional gas chromatography using a high-temperature phosphonium ionic liquid column. Analytical and Bioanalytical Chemistry, 2008, 390, 323-332.	3.7	79
98	Evaluation of A Chiral Crown Etherlc Column For the Separation of Racemic Amines. Journal of Liquid Chromatography and Related Technologies, 1991, 14, 9-28.	1.0	78
99	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.	6.5	77
100	Ionic cyclodextrins in ionic liquid matrices as chiral stationary phases for gas chromatography. Journal of Chromatography A, 2010, 1217, 5261-5273.	3.7	77
101	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.	6.7	77
102	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.	6.5	76
103	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.	1.0	75
104	Sampling frequency, response times and embedded signal filtration in fast, high efficiency liquid chromatography: A tutorial. Analytica Chimica Acta, 2016, 907, 31-44.	5.4	75
105	Cyclodextrin chiral stationary phases for liquid chromatographic separations of drug stereoisomers. Journal of Pharmaceutical and Biomedical Analysis, 1990, 8, 123-130.	2.8	74
106	Separation and characterization of underivatized oligosaccharides using liquid chromatography and liquid chromatographyâ€“electrospray ionization mass spectrometry. Journal of Chromatography A, 2005, 1079, 146-152.	3.7	74
107	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.	3.7	74
108	Single-Cell Detection:Â Test of Microbial Contamination Using Capillary Electrophoresis. Analytical Chemistry, 2007, 79, 1720-1724.	6.5	73

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109	Cyclofructan 6 based stationary phases for hydrophilic interaction liquid chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 270-279.	3.7	73
110	High efficiency, narrow particle size distribution, sub-2 μ m based macrocyclic glycopeptide chiral stationary phases in HPLC and SFC. <i>Analytica Chimica Acta</i> , 2015, 898, 128-137.	5.4	73
111	Synthesis, rapid resolution, and determination of absolute configuration of racemic 2,2'-binaphthylidyl crown ethers and analogs via β -cyclodextrin complexation. <i>Journal of Organic Chemistry</i> , 1985, 50, 5556-5559.	3.2	72
112	Planar chromatographic separation of enantiomers and diastereomers with cyclodextrin mobile phase additives. <i>Journal of Chromatography A</i> , 1988, 448, 345-354.	3.7	72
113	Efficient enantioselective separation and determination of trace impurities in secondary amino acids (i.e., imino acids). <i>Journal of Chromatography A</i> , 1992, 623, 33-41.	3.7	72
114	Practice and mechanism of HPLC oligosaccharide separation with a cyclodextrin bonded phase. <i>Talanta</i> , 1998, 47, 1001-1012.	5.5	72
115	Fundamental and Practical Insights on the Packing of Modern High-Efficiency Analytical and Capillary Columns. <i>Analytical Chemistry</i> , 2017, 89, 8177-8191.	6.5	72
116	Gas chromatography–vacuum ultraviolet spectroscopy for analysis of fatty acid methyl esters. <i>Food Chemistry</i> , 2016, 194, 265-271.	8.2	70
117	Elucidation of vancomycin's enantioselective binding site using its copper complex. <i>Chirality</i> , 1996, 8, 590-595.	2.6	69
118	Product Review: Chiral Stationary Phases for HPLC. <i>Analytical Chemistry</i> , 2001, 73, 557 A-561 A.	6.5	67
119	Chiral separation of monoterpenes using mixtures of sulfated β -cyclodextrins and β -cyclodextrin as chiral additives in the reversed-polarity capillary electrophoresis mode. <i>Journal of Chromatography A</i> , 1997, 759, 149-155.	3.7	66
120	Mechanistic Aspects in the Generation of Apparent Ultrahigh Efficiencies for Colloidal (Microbial) Electrokinetic Separations. <i>Analytical Chemistry</i> , 2002, 74, 5523-5530.	6.5	66
121	Considerations on HILIC and polar organic solvent-based separations: Use of cyclodextrin and macrocyclic glycopeptide stationary phases. <i>Journal of Separation Science</i> , 2008, 31, 1980-1990.	2.5	66
122	Enantiomeric composition of nicotine in smokeless tobacco, medicinal products, and commercial reagents. <i>Chirality</i> , 1998, 10, 587-591.	2.6	65
123	Capillary Electrophoretic Method for the Detection of Bacterial Contamination. <i>Analytical Chemistry</i> , 2006, 78, 4759-4767.	6.5	65
124	Separation of chiral sulfoxides by liquid chromatography using macrocyclic glycopeptide chiral stationary phases. <i>Journal of Chromatography A</i> , 2002, 955, 53-69.	3.7	63
125	Coronatine Facilitates <i>Pseudomonas syringae</i> Infection of <i>Arabidopsis</i> Leaves at Night. <i>Frontiers in Plant Science</i> , 2016, 7, 880.	3.6	63
126	Monitoring the migration behavior of living microorganisms in capillary electrophoresis using laser-induced fluorescence detection with a charge-coupled device imaging system. <i>Electrophoresis</i> , 2002, 23, 2048.	2.4	61

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127	Trigonal Tricationic Ionic Liquids: Molecular Engineering of Trications to Control Physicochemical Properties. <i>Chemistry of Materials</i> , 2008, 20, 4182-4184.	6.7	61
128	Increasing selectivity in comprehensive three-dimensional gas chromatography via an ionic liquid stationary phase column in one dimension. <i>Journal of Chromatography A</i> , 2010, 1217, 3144-3149.	3.7	60
129	Ultrafast separation of fluorinated and desfluorinated pharmaceuticals using highly efficient and selective chiral selectors bonded to superficially porous particles. <i>Journal of Chromatography A</i> , 2015, 1426, 241-247.	3.7	59
130	Quinine bonded to superficially porous particles for high-efficiency and ultrafast liquid and supercritical fluid chromatography. <i>Analytica Chimica Acta</i> , 2017, 963, 164-174.	5.4	58
131	Separation of Mycotoxins, Polycyclic Aromatic Hydrocarbons, Quinones, and Heterocyclic Compounds on Cyclodextrin Bonded Phases: An Alternative LC Packing. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1985, 8, 261-269.	1.0	57
132	Rapid determination of complex mixtures by dual-column gas chromatography with a novel stationary phase combination and spectrometric detection. <i>Journal of Chromatography A</i> , 2006, 1135, 230-240.	3.7	57
133	Centrifugal Partition Chromatography. I. General Features. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1988, 11, 547-566.	1.0	56
134	Evaluation of the macrocyclic glycopeptide A-40,926 as a high-performance liquid chromatographic chiral selector and comparison with teicoplanin chiral stationary phase. <i>Journal of Chromatography A</i> , 2000, 897, 113-129.	3.7	55
135	The Effect of AC Frequency on the Electrowetting Behavior of Ionic Liquids. <i>Analytical Chemistry</i> , 2010, 82, 3146-3154.	6.5	55
136	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. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 1832-1838.	5.2	55
137	Separation of optical isomers of scopolamine, cocaine, homatropine, and atropine. <i>Analytical Biochemistry</i> , 1987, 167, 261-264.	2.4	53
138	Analysis of native amino acid and peptide enantiomers by high-performance liquid chromatography/atmospheric pressure chemical ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2004, 39, 177-187.	1.6	53
139	Evaluation of dicationic reagents for their use in detection of anions using positive ion mode ESI-MS via gas phase ion association. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 261-269.	2.8	53
140	Nanopore Stochastic Detection of a Liquid Explosive Component and Sensitizers Using Boromycin and an Ionic Liquid Supporting Electrolyte. <i>Analytical Chemistry</i> , 2009, 81, 460-464.	6.5	53
141	Evaluation of aromatic-derivatized cyclofructans 6 and 7 as HPLC chiral selectors. <i>Analyst, The</i> , 2011, 136, 787-800.	3.5	53
142	Mechanism of enhancement of analyte sensitivity by surfactants in flame atomic spectrometry. <i>Analytical Chemistry</i> , 1982, 54, 1325-1329.	6.5	52
143	Analysis of derivatized and underivatized theanine enantiomers by high-performance liquid chromatography/atmospheric pressure ionization-mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 251-256.	1.5	52
144	Enantiomeric Separations of Ruthenium(II) Polypyridyl Complexes Using High-Performance Liquid Chromatography (HPLC) with Cyclodextrin Chiral Stationary Phases (CSPs). <i>Inorganic Chemistry</i> , 2007, 46, 10312-10320.	4.0	52

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145	Synthesis and examination of sulfated cyclofructans as a novel class of chiral selectors for CE. <i>Electrophoresis</i> , 2009, 30, 3897-3909.	2.4	52
146	Analysis of Long-Chain Unsaturated Fatty Acids by Ionic Liquid Gas Chromatography. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 1422-1432.	5.2	52
147	Evaluation of enantiomeric purity of selected amino acids in honey. <i>Chirality</i> , 1994, 6, 270-276.	2.6	51
148	Two-dimensional high performance liquid chromatography for determination of homocysteine, methionine and cysteine enantiomers in human serum. <i>Journal of Chromatography A</i> , 2015, 1408, 118-124.	3.7	51
149	Determination and use of Rohrschneider-McReynolds constants for chiral stationary phases used in capillary gas chromatography. <i>Analytical Chemistry</i> , 1995, 67, 849-857.	6.5	50
150	Derivatized vancomycin stationary phases for LC chiral separations. <i>Talanta</i> , 1996, 43, 1767-1782.	5.5	50
151	High-performance liquid chromatographic separation of enantiomers of synthetic amino acids on a ristocetin A chiral stationary phase. <i>Journal of Chromatography A</i> , 2000, 904, 1-15.	3.7	50
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