

Separation of enantiomers: needs, challenges, perspectives

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Use of Dyes To Investigate Migration of the Chiral Selector in CFFE and the Impact on the Chiral Separations. <i>Analytical Chemistry</i> , 2001, 73, 3999-4005.	6.5	12
2	Enantiomeric enrichment of \hat{L} -amino acid derivatives: recrystallization of N-Fmoc \hat{L} -amino acid tert-butyl esters. <i>Tetrahedron</i> , 2001, 57, 6641-6650.	1.9	19
3	Synthesis and enantiomer separation of a modified tris(2,2'-bipyridine)ruthenium(II) complex. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 2289-2293.	1.8	35
4	Recent developments in chiral capillary electrophoresis and applications of this technique to pharmaceutical and biomedical analysis. <i>Electrophoresis</i> , 2001, 22, 3107-3130.	2.4	191
5	Mechanistic study on the opposite migration order of clenbuterol enantiomers in capillary electrophoresis with \hat{L} -cyclodextrin and single-isomer heptakis(2,3-diacetyl-6-sulfo)- \hat{L} -cyclodextrin. <i>Electrophoresis</i> , 2001, 22, 3178-3184.	2.4	42
8	Novel Amide-Based Molecular Knots: Complete Enantiomeric Separation, Chiroptical Properties, and Absolute Configuration. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2468-2471.	13.8	78
9	Synthesis of the First 1,3,4-Triphosphole Complex. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2471-2474.	13.8	13
11	Retention and Selectivity of Teicoplanin Stationary Phases after Copper Complexation and Isotopic Exchange. <i>Analytical Chemistry</i> , 2001, 73, 5499-5508.	6.5	30
12	Synthesis of Chemically Bonded Cellulose Trisphenylcarbamate Chiral Stationary Phases for Enantiomeric Separation. <i>Journal of Chromatographic Science</i> , 2002, 40, 315-320.	1.4	27
13	Comparative Enantioseparation of Monoterpenes by HPLC on Three Kinds of Chiral Stationary Phases with an On-Line Optical Rotatory Dispersion under Reverse Phase Mode.. <i>Food Science and Technology Research</i> , 2002, 8, 367-372.	0.6	11
14	CHIRAL SEPARATION OF ABSCISIC ACID ENANTIOMERS BY CAPILLARY ZONE ELECTROPHORESIS USING CYCLODEXTRINS AND THEIR DERIVATIVES AS CHIRAL SELECTORS. <i>Analytical Letters</i> , 2002, 35, 2185-2197.	1.8	4
15	Investigation of the Heterogeneous Adsorption Behavior of Selected Enantiomers on Immobilized \hat{L} -1-Acid Glycoprotein. <i>Analytical Chemistry</i> , 2002, 74, 2950-2959.	6.5	35
16	Enantiomer Separation by Countercurrent Chromatography Using Cinchona Alkaloid Derivatives as Chiral Selectors. <i>Analytical Chemistry</i> , 2002, 74, 4175-4183.	6.5	59
17	Highly Selective Hydroformylation of the Cinchona Alkaloids. <i>Journal of Organic Chemistry</i> , 2002, 67, 5022-5024.	3.2	17
18	Direct Resolution of Enantiomers in High-Performance Immunoaffinity Chromatography under Isocratic Conditions. <i>Analytical Chemistry</i> , 2002, 74, 2119-2125.	6.5	49
19	Elucidation of the Chiral Recognition Mechanism of Cinchona Alkaloid Carbamate-type Receptors for 3,5-Dinitrobenzoyl Amino Acids. <i>Journal of the American Chemical Society</i> , 2002, 124, 8611-8629.	13.7	139
20	Estimation of the main dill seeds odorant carvone by solid-phase microextraction and gas chromatography. <i>Molecular Nutrition and Food Research</i> , 2002, 46, 357-359.	0.0	14
21	Enantioseparation of novel COX-2 anti-inflammatory drugs by capillary electrophoresis using single and dual cyclodextrin systems. <i>Electrophoresis</i> , 2002, 23, 1702.	2.4	20

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22	Combinatorial enantiomeric separation of diverse compounds using capillary array electrophoresis. Electrophoresis, 2002, 23, 2996-3005.	2.4	35
23	Chiral analysis of aliphatic short chain organic acids by capillary electrophoresis. Journal of Separation Science, 2002, 25, 1190-1196.	2.5	11
24	Chiral separations by cyclodextrin-modified capillary electrophoresis - Determination of the enantiomeric excess. Journal of Separation Science, 2002, 25, 959-974.	2.5	69
25	Enantiomeric separation of drugs and herbicides on a β -cyclodextrin-bonded stationary phase. Chirality, 2002, 14, 59-66.	2.6	24
26	NMR studies of chiral discrimination relevant to the enantioseparation of N-acylarylalkylamines by an (R)-phenylglycinol-derived chiral selector. Chirality, 2002, 14, 329-333.	2.6	2
27	Quantitative analysis of chiral compounds from unresolved peaks in capillary electrophoresis using multivariate calibration with experimental design and artificial neural networks. Chirality, 2002, 14, 509-518.	2.6	19
28	Chiral capillary electrophoresis-mass spectrometry: Modes and applications. Electrophoresis, 2002, 23, 4036-4051.	2.4	77
29	Separation of chiral pharmaceuticals using ultrahigh pressure liquid chromatography. Chromatographia, 2002, 55, 399-403.	1.3	34
30	Chiral separations. Analytical and Bioanalytical Chemistry, 2002, 372, 22-22.	3.7	7
31	Biselecter enantioselective stationary phases for HPLC: dependence of the chiral discrimination properties on stereochemistry and chemical nature of each unit of the chiral auxiliary. Tetrahedron: Asymmetry, 2002, 13, 1805-1815.	1.8	12
32	Synthesis and rapid enantiomeric separation of the chiral mixed ligand [5-(4-hydroxybutyl)-5-methyl-2,2'-bipyridine]-bis(1,10-phenanthroline)-ruthenium(II) complex by electrokinetic chromatography. Tetrahedron: Asymmetry, 2002, 13, 2673-2678.	1.8	23
33	d-Amino acids in mammals and their diagnostic value. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 781, 73-91.	2.3	200
34	Do we know the mechanism of chiral recognition between cyclodextrins and analytes?. Journal of Pharmaceutical and Biomedical Analysis, 2002, 27, 531-540.	2.8	44
35	Chiral trace-element speciation in biological samples: present importance and application to speciation for seleno-amino acids. TrAC - Trends in Analytical Chemistry, 2002, 21, 709-716.	11.4	14
36	Multistage electrodialysis for large-scale separation of racemic mixtures. Journal of Membrane Science, 2002, 204, 173-184.	8.2	11
37	Enantiomer Separation of D-L Branched Amino Acids by Capillary Electrophoresis in Sport Nutritional Supplements. Journal of Food Science, 2002, 67, 1352-1355.	3.1	17
38	Evaluation of a penicillin G acylase-based chiral stationary phase towards a series of 2-aryloxyalkanoic acids, isosteric analogs and 2-arylpropionic acids. Journal of Chromatography A, 2002, 958, 131-140.	3.7	34
39	Liquid-phase microextraction combined with capillary electrophoresis, a promising tool for the determination of chiral drugs in biological matrices. Journal of Chromatography A, 2002, 963, 303-312.	3.7	82

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40	Development of a validated capillary electrophoresis method for enantiomeric purity testing of dexchlorpheniramine maleate. <i>Journal of Chromatography A</i> , 2002, 958, 291-297.	3.7	31
41	Energetic heterogeneity of the surface of a molecularly imprinted polymer studied by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2002, 964, 99-111.	3.7	65
42	Enantioselective strong cation-exchange molecular recognition materials: Design of novel chiral stationary phases and their application for enantioseparation of chiral bases by nonaqueous capillary electrochromatography. <i>Electrophoresis</i> , 2003, 24, 1668-1679.	2.4	19
43	Rapid determination of salbutamol in pharmaceutical preparations by chiral capillary electrophoresis. <i>Electrophoresis</i> , 2003, 24, 2680-2686.	2.4	23
44	Microchip electrophoresis for chiral separations. <i>Electrophoresis</i> , 2003, 24, 2422-2430.	2.4	82
45	Recent advances in the determination of enantiomeric drugs and their metabolites in biological fluids by capillary electrophoresis-mediated microanalysis. <i>Electrophoresis</i> , 2003, 24, 4078-4094.	2.4	74
46	Recent advances in capillary electrophoresis and capillary electrochromatography of peptides. <i>Electrophoresis</i> , 2003, 24, 4013-4046.	2.4	111
47	Determination of enantiomeric purity of a novel COX-2 anti-inflammatory drug by capillary electrophoresis using single and dual cyclodextrin systems. <i>Electrophoresis</i> , 2003, 24, 1416-1421.	2.4	12
48	Separation of isomers of dienolic acids by electromigration techniques. <i>Journal of Separation Science</i> , 2003, 26, 1253-1258.	2.5	7
49	Synthesis and characteristics of composite chiral stationary phases based on cellulose derivatives. <i>Journal of Separation Science</i> , 2003, 26, 29-36.	2.5	24
50	Chiral separation of 2,3-allenoic acid by capillary zone electrophoresis using cyclodextrin derivatives. <i>Chirality</i> , 2003, 15, 201-205.	2.6	5
51	Evaluation of a ristocetin bonded stationary phase for subcritical fluid chromatography of enantiomers. <i>Chirality</i> , 2003, 15, 630-636.	2.6	18
52	Role of biological matrices during the analysis of chiral drugs by liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 797, 91-109.	2.3	42
53	Mechanistic study of enantiomeric recognition with native β -cyclodextrin by capillary electrophoresis, reversed-phase liquid chromatography, nuclear magnetic resonance spectroscopy, electrospray mass spectrometry and circular dichroism techniques. <i>Journal of Chromatography A</i> , 2003, 987, 409-420.	3.7	37
54	Enantiomeric resolution of a series of chiral sulfoxides by high-performance liquid chromatography on polysaccharide-based columns with multimodal elution. <i>Journal of Chromatography A</i> , 2003, 987, 445-452.	3.7	40
55	Enantioseparation of racemic N-acylarylalkylamines on various amino alcohol derived β -acidic chiral stationary phases. <i>Journal of Chromatography A</i> , 2003, 987, 429-438.	3.7	19
56	Synthesis of covalently bonded cellulose derivative chiral stationary phases with a bifunctional reagent of 3-(triethoxysilyl)propyl isocyanate. <i>Journal of Chromatography A</i> , 2003, 1010, 185-194.	3.7	69
57	Study on the mechanism of chiral recognition with molecularly imprinted polymers. <i>Analytica Chimica Acta</i> , 2003, 489, 33-43.	5.4	62

#	ARTICLE	IF	CITATIONS
58	Polysaccharide-based chiral phase under polar organic mode of elution in the determination of the enantiomeric purity of emtricitabine an anti-HIV analogue nucleoside. Journal of Pharmaceutical and Biomedical Analysis, 2003, 33, 581-587.	2.8	19
59	Computational design of receptor and sensor proteins with novel functions. Nature, 2003, 423, 185-190.	27.8	650
60	Use of short-end injection capillary packed with a glycopeptide antibiotic stationary phase in electrochromatography and capillary liquid chromatography for the enantiomeric separation of hydroxy acids. Journal of Chromatography A, 2003, 990, 143-151.	3.7	27
61	Determination of the Enantiomeric Composition of Guest Molecules by Chemometric Analysis of the UV-Visible Spectra of Cyclodextrin Guest-Host Complexes. Journal of the American Chemical Society, 2003, 125, 1690-1691.	13.7	49
62	Chiral Recognition of Peptide Enantiomers by Cinchona Alkaloid Derived Chiral Selectors: Mechanistic Investigations by Liquid Chromatography, NMR Spectroscopy, and Molecular Modeling. Journal of Organic Chemistry, 2003, 68, 8315-8327.	3.2	54
63	³¹ P NMR Spectroscopy as a Powerful Tool for the Determination of Enantiomeric Excess and Absolute Configurations of α -Amino Acids. Inorganic Chemistry, 2003, 42, 1006-1013.	4.0	33
64	The Structure of Gemini Surfactant Self-Assemblies Investigated by Energy Dispersive X-ray Diffraction. Journal of Physical Chemistry B, 2003, 107, 12268-12274.	2.6	10
65	Enantioselective Sensors Based on Antibody-Mediated Nanomechanics. Analytical Chemistry, 2003, 75, 2342-2348.	6.5	89
66	Effects on Enantioselectivity by the Use of Polysaccharide-Based Columns by Multimodal Elution. Journal of Liquid Chromatography and Related Technologies, 2003, 26, 2083-2101.	1.0	22
67	Separation of Stereoisomers. , 2003, , 793-845.		1
68	Enantioselective acylation of R-2-pentanol in a solid/gas reactor catalysed by lipase B from Candida antarctica. Journal of Molecular Catalysis B: Enzymatic, 2004, 32, 53-59.	1.8	19
69	Enantiomers of New Synthetic Pyrrolylphenylethanamine Mono-Amino Oxidase Inhibitor Compounds: Analytical and Semipreparative HPLC Separations, and Chiroptical Characteristics. Chromatographia, 2004, 60, .	1.3	6
70	Simulated moving columns technique for chiral liquid chromatography. Journal of Chromatography A, 2004, 1028, 227-238.	3.7	17
71	Synthesis of chiral stationary phases with radical polymerization reaction of cellulose phenylcarbamate derivatives and vinylized silica gel. Journal of Chromatography A, 2004, 1034, 109-116.	3.7	47
72	Chiral separation of bupivacaine enantiomers by capillary electrophoresis partial-filling technique with human serum albumin as chiral selector. Journal of Chromatography A, 2004, 1048, 111-118.	3.7	20
73	New biphenylic derivatives: synthesis, characterisation and enantiodiscrimination in chiral aggregates. Tetrahedron: Asymmetry, 2004, 15, 987-994.	1.8	24
74	Clinical pharmacokinetic data of racemic drugs obtained by the indirect method following precolumn diastereomer formation: is the influence of racemization during chiral derivatization significant?. Biomedical Chromatography, 2004, 18, 343-349.	1.7	14
75	Study on the enantiomeric ratio of the pharmaceutical substances alkannin and shikonin. Biomedical Chromatography, 2004, 18, 791-799.	1.7	18

#	ARTICLE	IF	CITATIONS
76	Novel enantioselective strong cation exchangers based on sulfodipeptide selectors: Evaluation for enantiomer separation of chiral bases by nonaqueous capillary electrochromatography. Electrophoresis, 2004, 25, 277-289.	2.4	39
77	Kinetics and equilibrium of multicomponent adsorption on chirally templated surfaces. Journal of Computational Chemistry, 2004, 25, 1779-1786.	3.3	10
78	Headspace solid-phase microextraction for characterization of fragrances of lemon verbena (Aloysia TJ ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.5	41
79	Differential effects of organic modifiers on the enantioseparation of dimetindene maleate with carboxymethyl- β -cyclodextrin in capillary electrophoresis. Journal of Separation Science, 2004, 27, 21-27.	2.5	14
80	Enantiomer separation of dimethyl dicarboxy \pm -biphenyl (DDB) and its analogues on a covalently bonded cellulose tris-(3,5-dimethylphenyl-carbamate) CSP. Journal of Separation Science, 2004, 27, 1195-1201.	2.5	12
81	Synthesis, complete characterization, and enantioselective electrokinetic separation of functionalized ruthenium complex enantiomers. Chirality, 2004, 16, 363-368.	2.6	13
82	Probability rule for chiral recognition. Chirality, 2004, 16, 369-378.	2.6	33
83	Definition and system implementation of strategies for method development of chiral separations in normal- or reversed-phase liquid chromatography using polysaccharide-based stationary phases. Journal of Chromatography A, 2004, 1041, 119-133.	3.7	75
84	Enantioseparation of amino acid derivatives on an immobilized network polymer derived from l-tartaric acid. Journal of Chromatography A, 2004, 1042, 81-87.	3.7	34
85	Novel rigid chiral macrocyclic dioxopolyamines derived from l-proline as chiral solvating agents for carboxylic acids. Tetrahedron: Asymmetry, 2004, 15, 2491-2497.	1.8	41
86	Development and validation of a chiral liquid chromatographic method, based on Chiralpak $\text{\textcircled{R}}$ to quantify enantiomers of (\pm)-DRF 2725 in rat plasma: lack of inversion of ragaglitazar (S -($\hat{\alpha}$))-DRF 2725) to its antipode in plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 809, 23-30.	2.3	3
87	Enantioenrichment by pervaporation. Journal of Membrane Science, 2004, 237, 9-14.	8.2	3
88	Optical purity of (R)-($\hat{\alpha}$)-1-octen-3-ol in the aroma of various species of edible mushrooms. Food Chemistry, 2004, 86, 113-118.	8.2	103
89	Comparison study of Chiralpak AD-H with AD columns in chromatographic enantioseparation of dihydropyrimidinone acid and its methyl ester. Journal of Chromatography A, 2004, 1034, 117-123.	3.7	12
90	Liquid chromatographic-mass spectrometric separation of oligoalanine peptide stereoisomers: influence of absolute configuration on enantioselectivity and two-dimensional separation of diastereomers and enantiomers. Journal of Chromatography A, 2004, 1038, 85-95.	3.7	19
91	On-line sample cleanup and chiral separation of gemifloxacin in a urinary solution using chiral crown ether as a chiral selector in microchip electrophoresis. Journal of Chromatography A, 2004, 1055, 241-245.	3.7	52
92	Fast enantiomeric separation of propranolol by affinity capillary electrophoresis using human serum albumin as chiral selector: application to quality control of pharmaceuticals. Analytica Chimica Acta, 2004, 507, 171-178.	5.4	45
93	Optimisation of the chlorthalidone chiral separation by capillary electrochromatography using an achiral stationary phase and cyclodextrin in the mobile phase. Analytica Chimica Acta, 2004, 509, 11-19.	5.4	20

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94	Comparative study of the instrumental couplings of high performance liquid chromatography with microwave-assisted digestion hydride generation atomic fluorescence spectrometry and inductively coupled plasma mass spectrometry for chiral speciation of selenomethionine in breast and formula milk. <i>Analytica Chimica Acta</i> , 2004, 520, 229-235.	5.4	30
95	Electrophoretic separation strategy for chiral pharmaceuticals using highly-sulfated and neutral cyclodextrins based dual selector systems. <i>Analytica Chimica Acta</i> , 2004, 525, 247-263.	5.4	62
96	Enantiomeric analysis of rivastigmine in pharmaceuticals by cyclodextrin-modified capillary zone electrophoresis. <i>Analytica Chimica Acta</i> , 2004, 525, 43-51.	5.4	20
97	A simple model of enantioselective adsorption on chiral stationary phases. <i>Applied Surface Science</i> , 2004, 227, 94-103.	6.1	20
98	Synthesis and characterization of camphorsulfonyl acetate of cellulose. <i>Carbohydrate Research</i> , 2004, 339, 1925-1931.	2.3	9
99	Structure, Selectivity, and Solvation of a Model Chiral Stationary Phase. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3512-3522.	2.6	14
100	[Ni ₂ O(l-Asp)(H ₂ O) ₂] \cdot 4H ₂ O: A Homochiral 1D Helical Chain Hybrid Compound with Extended Ni ²⁺ -O ²⁻ -Ni Bonding. <i>Journal of the American Chemical Society</i> , 2004, 126, 3044-3045.	13.7	193
101	Enantiomer Separations in Capillary Electrophoresis in the Case of Equal Binding Constants of the Enantiomers with a Chiral Selector: A Commentary on the Feasibility of the Concept. <i>Analytical Chemistry</i> , 2004, 76, 4256-4260.	6.5	121
102	Novel urea-linked cinchona-calixarene hybrid-type receptors for efficient chromatographic enantiomer separation of carbamate-protected cyclic amino acids. <i>Journal of Chromatography A</i> , 2004, 1053, 119-131.	3.7	45
103	Thermodynamic study on the gas chromatographic separation of the enantiomers of aromatic alcohols using heptakis(2,3-di-O-methyl-6-O-tert-butyltrimethylsilyl)- β -cyclodextrin as a stationary phase. <i>Journal of Chromatography A</i> , 2004, 1049, 223-226.	3.7	5
104	Use of a Hepta-Tyr antibiotic modified silica stationary phase for the enantiomeric resolution of D,L-loxiglumide by electrochromatography and nano-liquid chromatography. <i>Journal of Chromatography A</i> , 2004, 1051, 247-252.	3.7	25
105	Free D-Aspartate in Mammals. <i>Biological and Pharmaceutical Bulletin</i> , 2005, 28, 1566-1570.	1.4	82
106	Current technologies for the production of (S)-ketoprofen: Process perspective. <i>Process Biochemistry</i> , 2005, 40, 3526-3535.	3.7	66
107	Novel composite poly(4-vinylpyridine)/polypropylene membranes with recognition properties for (S)-naproxen. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 1003-1008.	2.8	55
108	Chiral separation of oxprenolol by affinity electrokinetic chromatography-partial filling technique using human serum albumin as chiral selector. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 39, 76-81.	2.8	24
109	Chiral separation of tamsulosin by capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 39, 691-696.	2.8	30
110	Distribution of molecularly imprinted polymer layers on macroporous silica gel particles by STEM and EDX. <i>Micron</i> , 2005, 36, 247-260.	2.2	11
111	Stereoselective discrimination and quantification of arginine and N-blocked arginine enantiomers by formation and dissociation of calcium-mediated diastereomeric trimer complexes with a chiral reference compound using electrospray ionization-ion trap tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 825-834.	2.8	26

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112	Enantiomeric separation of organophosphorus pesticides by capillary electrophoresis. <i>Analytica Chimica Acta</i> , 2005, 543, 77-83.	5.4	68
113	Development and validation of HPLC methods for enantioseparation of mirtazapine enantiomers at analytical and semipreparative scale using polysaccharide chiral stationary phases. <i>Analytica Chimica Acta</i> , 2005, 550, 123-129.	5.4	27
114	Comparative study of the enantioselective separation of several antiulcer drugs by high-performance liquid chromatography and supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2005, 1091, 118-123.	3.7	56
115	Enhanced chromatographic resolution of amine enantiomers as carbobenzyloxy derivatives in high-performance liquid chromatography and supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2005, 1100, 108-115.	3.7	67
116	Liquid chromatography of dextrans on porous silica beds. <i>Journal of Chromatography A</i> , 2005, 1100, 15-19.	3.7	4
117	Influence of Mobile Phase Composition on the Apparent Thermodynamic Characteristics in Liquid Chromatographic Enantioseparation on a Tartardiamide-Based Stationary Phase. <i>Chromatographia</i> , 2005, 61, 561-566.	1.3	17
118	Direct enantiomeric resolutions of chiral triazole pesticides by high-performance liquid chromatography. <i>Journal of Proteomics</i> , 2005, 62, 219-230.	2.4	49
119	Molecularly imprinted polymers for the enantioseparation of chiral drugs. <i>Advanced Drug Delivery Reviews</i> , 2005, 57, 1809-1835.	13.7	119
120	Noncovalent Binding between Guanidinium and Anionic Groups: Focus on Biological- and Synthetic-Based Arginine/Guanidinium Interactions with Phosph[on]ate and Sulf[on]ate Residues. <i>Chemical Reviews</i> , 2005, 105, 67-114.	47.7	527
121	Enantioselective chromatography in drug discovery. <i>Drug Discovery Today</i> , 2005, 10, 571-577.	6.4	174
122	Separation strategy for acidic chiral pharmaceuticals with capillary electrochromatography on polysaccharide stationary phases. <i>Electrophoresis</i> , 2005, 26, 818-832.	2.4	40
123	Multivariate optimization approach for chiral resolution of drugs using human serum albumin in affinity electrokinetic chromatography-partial filling technique. <i>Electrophoresis</i> , 2005, 26, 4116-4126.	2.4	30
124	Application of dimethyl- β -cyclodextrin as a chiral selector in capillary electrophoresis for enantiomer separation of ephedrine and related compounds in some drugs. <i>Biomedical Chromatography</i> , 2005, 19, 447-453.	1.7	15
125	Effect of alcohols and temperature on the direct chiral resolutions of fipronil, isocarboxiphenol and carfentrazone-ethyl. <i>Biomedical Chromatography</i> , 2005, 19, 454-458.	1.7	25
126	Knotting and Threading of Molecules: Chemistry and Chirality of Molecular Knots and Their Assemblies. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1456-1477.	13.8	192
128	Data mining and enantiophore studies on chiral stationary phases used in HPLC separation. <i>Chirality</i> , 2005, 17, S74-S83.	2.6	27
129	Detailed studies on the enantioselective synthesis and HPLC enantioseparation of N-protected 3-hydroxyglutarimides. <i>Chirality</i> , 2005, 17, 595-599.	2.6	21
130	Stereoselective peptide analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 599-638.	3.7	35

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131	Separation of propranolol enantiomers through membranes based on chiral derivatized polysulfone. Polymer, 2005, 46, 12306-12312.	3.8	31
132	Some aspects of chiral separations in planar chromatography compared with HPLC. Journal of Planar Chromatography - Modern TLC, 2005, 18, 5-12.	1.2	9
133	The Impact of Processing on the Nutritional Quality of Food Proteins. Journal of AOAC INTERNATIONAL, 2005, 88, 904-922.	1.5	86
134	18 Chiral separations. Separation Science and Technology, 2005, 6, 447-498.	0.2	9
135	Chiral molecular recognition for the detection and analysis of enantiomers by mass spectrometric methods. Journal of Separation Science, 2005, 28, 1932-1955.	2.5	72
136	Determination of the enantiomeric composition of phenylalanine samples by chemometric analysis of the fluorescence spectra of cyclodextrin guest-host complexes. Analyst, The, 2005, 130, 233-241.	3.5	33
137	Chiral analysis by capillary electrophoresis. Comprehensive Analytical Chemistry, 2005, , 617-701.	1.3	2
138	Enantioseparation of Chlorpheniramine by High Speed Countercurrent Chromatography Using Carboxymethyl- β -cyclodextrin as Chiral Selector. Journal of Liquid Chromatography and Related Technologies, 2005, 28, 3057-3063.	1.0	22
139	Measurement of Solution-Phase Chiral Molecular Recognition in the Gas Phase Using Electrospray Ionization-Mass Spectrometry. Analytical Chemistry, 2005, 77, 3660-3670.	6.5	38
140	Simulated Adsorption Properties and Synthesis Prospects of Homochiral Porous Solids Based on Their Heterochiral Analogs. Langmuir, 2005, 21, 2267-2272.	3.5	29
141	Fluorescence Anisotropy as a Method to Examine the Thermodynamics of Enantioselectivity. Journal of Physical Chemistry B, 2005, 109, 8144-8152.	2.6	34
142	Analytical and semipreparative resolution of enantiomers of albendazole sulfoxide by HPLC on amylose tris (3,5-dimethylphenylcarbamate) chiral stationary phases. Journal of Proteomics, 2005, 62, 69-79.	2.4	16
143	Enantioselective Recognition for Carboxylic Acids by Novel Chiral Macrocyclic Polyamides Derived from L-/D-tartaric Acid. Supramolecular Chemistry, 2006, 18, 507-513.	1.2	18
144	SPME-enantioselective gas chromatography with ECD and ICP-MS detection for the chiral speciation of the pesticide ruelene in environmental samples. Journal of Analytical Atomic Spectrometry, 2006, 21, 876-883.	3.0	20
145	Separation of Different Enantiomeric Amino Acids by Capillary Array Electrophoresis. Analytical Letters, 2006, 39, 1429-1437.	1.8	1
146	Direct Optical Resolution of Chiral Pesticides by HPLC on Enamectin CSP under Normal Phase Conditions. Journal of Liquid Chromatography and Related Technologies, 2006, 29, 1601-1607.	1.0	9
147	Chiral Three-Dimensional Microporous Nickel Aspartate with Extended Ni ²⁺ -O ²⁻ -Ni Bonding. Journal of the American Chemical Society, 2006, 128, 9957-9962.	13.7	218
148	Chiral analysis by regression modeling of spectral data. , 2006, , 363-395.		14

#	ARTICLE	IF	CITATIONS
149	Circular Dichroism Thermal Lens Microscope for Sensitive Chiral Analysis on Microchip. <i>Analytical Chemistry</i> , 2006, 78, 2646-2650.	6.5	38
150	Review- Alternatives for the separation of drug enantiomers: ibuprofen as a model compound. <i>Brazilian Journal of Chemical Engineering</i> , 2006, 23, 291-300.	1.3	38
152	Chiral soluble polymers and microspheres for enantioselective crystallization. <i>Journal of Polymer Science Part A</i> , 2006, 44, 3009-3017.	2.3	44
153	Direct chiral resolution and its application to the determination of fungicide benalaxyl in soil and water by high-performance liquid chromatography. <i>Analytica Chimica Acta</i> , 2006, 555, 210-216.	5.4	42
154	Crystallization of enantiomers. <i>Chemical Engineering and Processing: Process Intensification</i> , 2006, 45, 863-873.	3.6	84
155	Application of cellulose and amylose arylcarbamates as chiral selectors in counter-current chromatography. <i>Journal of Chromatography A</i> , 2006, 1107, 165-174.	3.7	35
156	Improvement of proline enantioselective stationary phases by replacing the 9-fluorenylmethoxycarbonyl group. <i>Journal of Chromatography A</i> , 2006, 1109, 307-311.	3.7	29
157	Screening approach for chiral separation of pharmaceuticals. <i>Journal of Chromatography A</i> , 2006, 1111, 48-61.	3.7	158
158	Theoretical investigations of the chromatographic separation of interacting enantiomers. <i>Journal of Chromatography A</i> , 2006, 1113, 74-83.	3.7	12
159	Adsorption behavior of the (-)-Tröger's base enantiomers in the phase system of a silica-based packing coated with amylose tri(3,5-dimethyl carbamate) and 2-propanol and molecular modeling interpretation. <i>Journal of Chromatography A</i> , 2006, 1113, 148-161.	3.7	25
160	The role of molecular interaction fields on enantioselective and nonselective separation of chiral sulfoxides. <i>Journal of Chromatography A</i> , 2006, 1121, 64-75.	3.7	15
161	A multiple chemical equilibria approach to modeling and interpreting the separation of amino acid enantiomers by chiral ligand-exchange chromatography. <i>Journal of Chromatography A</i> , 2006, 1132, 39-50.	3.7	14
162	Semipreparative enantiomeric separation of omeprazole by supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2006, 1137, 30-35.	3.7	37
163	Partial-discard strategy for obtaining high purity products using simulated moving bed chromatography. <i>Journal of Chromatography A</i> , 2006, 1122, 161-173.	3.7	71
164	Preparation of chiral selective membranes for electrodialysis separation of racemic mixture. <i>Journal of Membrane Science</i> , 2006, 276, 193-198.	8.2	10
165	Enantioselective determination of a gastroprokinetic drug using amylose tris-(3,5-dimethylphenylcarbamate) as a stationary phase by HPLC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 40, 338-344.	2.8	8
166	Determination of the enantiomer and positional isomer impurities in atomoxetine hydrochloride with liquid chromatography using polysaccharide chiral stationary phases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 1088-1094.	2.8	26
167	Chiral separation of phenylalanine in ultrafiltration through DNA-immobilized chitosan membranes. <i>Journal of Membrane Science</i> , 2006, 280, 116-123.	8.2	72

#	ARTICLE	IF	CITATIONS
168	Investigation of Enantiomer Separation by LC with a New Bonded Cellulose 3,5-Dimethylphenylcarbamate Chiral Stationary Phase. <i>Chromatographia</i> , 2006, 64, 273-280.	1.3	5
169	Mechanistic Principles in Chiral Separations Using Liquid Chromatography and Capillary Electrophoresis. <i>Chromatographia</i> , 2006, 63, 295-307.	1.3	87
170	Optical resolution methods. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3011-3030.	2.8	209
171	Enantiomeric separation of metolachlor and its metabolites using LC-MS and CZE. <i>Chemosphere</i> , 2006, 62, 1591-1599.	8.2	39
172	Indicator displacement sensor for efficient determination of β -hydroxydicarboxylic acids and their chiral discrimination. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 1332-1336.	1.8	14
173	Development of novel brush-type chiral stationary phases based on terpenoid selectors: HPLC evaluation and theoretical investigation of enantioselective binding interactions. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 3248-3264.	1.8	19
174	Development of a supported liquid membrane process for separating enantiomers of N-protected amino acid derivatives. <i>Journal of Membrane Science</i> , 2006, 276, 221-231.	8.2	76
175	Identification of enantioselective extractants for chiral separation of amines and aminoalcohols. <i>Chirality</i> , 2006, 18, 314-328.	2.6	72
176	Enantiomer separation of amino acids in immunoaffinity micro LC-MS. <i>Chirality</i> , 2006, 18, 544-550.	2.6	11
177	Chiral separation of Ornidazole and detection of the impurity of (R)-Ornidazole in (S)-Ornidazole injection and raw material. <i>Chirality</i> , 2006, 18, 587-591.	2.6	10
178	Enantiomeric impurity determination in capillary electrophoresis using a highly-sulfated cyclodextrins-based method. <i>Biomedical Chromatography</i> , 2006, 20, 696-709.	1.7	29
179	Enantioselective aptameric molecular recognition material: Design of a novel chiral stationary phase for enantioseparation of a series of chiral herbicides by capillary electrochromatography. <i>Electrophoresis</i> , 2006, 27, 3254-3262.	2.4	25
180	An on-column derivatization method for the determination of the enantiomeric excess of chiral primary amines via indirect enantioseparation by micellar electrokinetic chromatography. <i>Electrophoresis</i> , 2006, 27, 865-871.	2.4	17
181	Monolithic silica capillary column with coated cellulose tris(3,5-dimethylphenylcarbamate) for capillary electrochromatographic separation of enantiomers. <i>Electrophoresis</i> , 2006, 27, 1050-1059.	2.4	44
182	Potential of human serum albumin as chiral selector of basic drugs in affinity electrokinetic chromatography-partial filling technique. <i>Electrophoresis</i> , 2006, 27, 4364-4374.	2.4	18
183	Analytical and semipreparative resolution of ranolazine enantiomers by liquid chromatography using polysaccharide chiral stationary phases. <i>Journal of Separation Science</i> , 2006, 29, 164-171.	2.5	13
184	Enantiomeric separation of chiral pesticides by high-performance liquid chromatography on an amylose tris-(S)-1-phenylethylcarbamate chiral stationary phase. <i>Journal of Separation Science</i> , 2006, 29, 265-271.	2.5	25
185	Chiral separation strategy in polar organic solvent chromatography and performance comparison with normal-phase liquid and supercritical-fluid chromatography. <i>Journal of Separation Science</i> , 2006, 29, 1353-1362.	2.5	52

#	ARTICLE	IF	CITATIONS
186	Enantiomeric separation of chiral sulfoxides by supercritical fluid chromatography. Journal of Separation Science, 2006, 29, 1363-1372.	2.5	40
187	Enantiomeric resolution of bifonazole by supercritical fluid chromatography. Journal of Separation Science, 2006, 29, 1373-1378.	2.5	18
188	Monolithic enantiomer-selective stationary phases for capillary electrochromatography. Journal of Separation Science, 2006, 29, 1332-1343.	2.5	57
189	Chromatographic enantioseparation of amino acids using a new chiral stationary phase based on a macrocyclic glycopeptide antibiotic. Journal of Separation Science, 2006, 29, 1447-1457.	2.5	41
190	Quinine carbamate chiral stationary phases: Systematic optimization of steric selector-selectand binding increments and enantioselectivity by quantitative structure-enantioselectivity relationship studies. Journal of Separation Science, 2006, 29, 1486-1496.	2.5	38
191	Chiral Separations of Pesticide Enantiomers by High- Performance Liquid Chromatography Using Cellulose Triphenylcarbamate Chiral Stationary Phase. Journal of Chromatographic Science, 2006, 44, 602-606.	1.4	9
192	Chiral separations in microfluidic devices. , 2006, , 277-295.		2
193	Cellulose Derivatives Used as Chiral Stationary Phases in Capillary Gas Chromatography. Analytical Letters, 2006, 39, 173-182.	1.8	12
194	Preparative Enantioseparation of dl- α -Methylbenzylamine by High-Speed Countercurrent Chromatography using l- α -tartaric Acid as Chiral Selector. Journal of Liquid Chromatography and Related Technologies, 2007, 30, 1489-1495.	1.0	20
195	High-Performance Liquid Chromatographic Analysis of Psychotropic and Endogenous Compounds. , 2007, , 17-41.		1
196	Simultaneous Analysis of d- and l-Serine in Cerebrospinal Fluid by Use of HPLC. Clinical Chemistry, 2007, 53, 1489-1494.	3.2	13
197	Chiral separation on a model adsorbent with periodic surface heterogeneity. Journal of Chemical Physics, 2007, 126, 144709.	3.0	27
198	Polysaccharide derivatives as useful chiral stationary phases in high-performance liquid chromatography. Pure and Applied Chemistry, 2007, 79, 1561-1573.	1.9	115
199	Solution Phase Enantioselective Recognition and Discrimination by Electrospray Ionization - Mass Spectrometry: State-of-the-Art, Methods, and an Eye Towards Increased Throughput Measurements. Combinatorial Chemistry and High Throughput Screening, 2007, 10, 301-316.	1.1	36
200	CHIRALITY AND PHARMACOKINETICS: AN AREA OF NEGLECTED DIMENSIONALITY?. Drug Metabolism and Drug Interactions, 2007, 22, 79-112.	0.3	37
201	Probing chiral interfaces by infrared spectroscopic methods. Physical Chemistry Chemical Physics, 2007, 9, 671-685.	2.8	60
202	Templating Mesoporous Silica with Chiral Block Copolymers and Its Application for Enantioselective Separation. Journal of Physical Chemistry B, 2007, 111, 11105-11110.	2.6	66
203	Metal-organic frameworks: the young child of the porous solids family. Studies in Surface Science and Catalysis, 2007, 170, 66-84.	1.5	57

#	ARTICLE	IF	CITATIONS
204	Hybrid Porous Solids. Studies in Surface Science and Catalysis, 2007, , 327-374.	1.5	27
205	Thermodynamic and Kinetic Study of Adsorption of R,S- α -Tetralol Enantiomers on the Chiral Adsorbent CHIRALPAK AD. Separation Science and Technology, 2007, 42, 739-768.	2.5	10
206	Empirical Observations and Mechanistic Insights on the First Boron-Containing Chiral Selector for LC and Supercritical Fluid Chromatography. Analytical Chemistry, 2007, 79, 8125-8135.	6.5	21
207	Tuning Selectivity in Adsorption on Composite Chiral Surfaces. Journal of Physical Chemistry C, 2007, 111, 11936-11942.	3.1	15
208	Racemization at C-2 of Naringin in Sour Oranges with Increasing Maturity Determined by Chiral High-Performance Liquid Chromatography. Journal of Agricultural and Food Chemistry, 2007, 55, 3816-3822.	5.2	15
209	The direct chiral separations of fungicide enantiomers on amylopectin based chiral stationary phase by HPLC. Chirality, 2007, 19, 114-119.	2.6	25
210	GC-MS detection of chiral markers in cocoa beans of different quality and geographic origin. Chirality, 2007, 19, 329-334.	2.6	65
211	Enantiomeric separation and determination of absolute stereochemistry of asymmetric molecules in drug discovery—Building chiral technology toolboxes. Chirality, 2007, 19, 658-682.	2.6	90
212	Direct high-performance liquid chromatographic separation of the enantiomers of an aromatic amine and four aminoalcohols using polysaccharide chiral stationary phases and acidic additive. Chirality, 2007, 19, 647-653.	2.6	15
213	Chiral Drugs and the Associated Asymmetric Synthesis. , 0, , 230-280.		3
214	Enantioselective Crystallization on Chiral Polymeric Microspheres. Advanced Functional Materials, 2007, 17, 944-950.	14.9	84
215	Investigation of β -CD-derivatized erythromycin as chiral selector in CE. Electrophoresis, 2007, 28, 2566-2572.	2.4	14
216	Two-chiral component microemulsion EKC — chiral surfactant and chiral oil. Part 2: Diethyl tartrate. Electrophoresis, 2007, 28, 2644-2657.	2.4	25
217	Review of aqueous chiral electrokinetic chromatography (EKC) with an emphasis on chiral microemulsion EKC. Electrophoresis, 2007, 28, 2503-2526.	2.4	39
218	Influence of microemulsion chirality on chromatographic figures of merit in EKC: Results with novel three-chiral-component microemulsions and comparison with one- and two-chiral-component microemulsions. Electrophoresis, 2007, 28, 3024-3040.	2.4	21
219	Peak splitting in the CE separation of enantiomers caused by organic solvents in the sample. Electrophoresis, 2007, 28, 3625-3638.	2.4	4
220	Enantiomeric separation of chiral pesticides by high performance liquid chromatography on cellulose tris-3,5-dimethyl carbamate stationary phase under reversed phase conditions. Journal of Separation Science, 2007, 30, 310-321.	2.5	38
221	Enantiomeric resolution of new triazole compounds by high-performance liquid chromatography. Journal of Separation Science, 2007, 30, 344-351.	2.5	18

#	ARTICLE	IF	CITATIONS
222	Automated screening platform with isochronal-parallel analysis and conditioning for rapid method development of chiral separations. <i>Journal of Separation Science</i> , 2007, 30, 1255-1261.	2.5	17
223	Stereoselective determination of hydroxychloroquine and its major metabolites in human urine by solid-phase microextraction and HPLC. <i>Journal of Separation Science</i> , 2007, 30, 2351-2359.	2.5	18
224	Chiral discrimination of β -amino acids by the DNA triplet GCA using amino acids as a co-selector. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1218-1224.	1.6	8
225	Chiral discrimination and enantioselective analysis of drugs: An overview. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 1659-1676.	3.3	160
226	Separation of enantiomers by diastereomeric salt formation and precipitation in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2007, 40, 67-73.	3.2	34
227	Adsorption on nanostructured chiral surfaces studied by the Monte Carlo method. <i>Applied Surface Science</i> , 2007, 253, 5387-5392.	6.1	13
228	Chiral separation of amino-alcohols using extractant impregnated resins. <i>Journal of Chromatography A</i> , 2007, 1142, 84-92.	3.7	25
229	Thermodynamic characterization of the adsorption of selected chiral compounds on immobilized amyloglucosidase in liquid chromatography. <i>Journal of Chromatography A</i> , 2007, 1156, 3-13.	3.7	21
230	Enantiomeric separation of several antimycotic azole drugs using supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2007, 1144, 255-261.	3.7	48
231	Capillary array electrophoresis for the research of racemization reaction of l-amino acids. <i>Journal of Chromatography A</i> , 2007, 1144, 279-282.	3.7	5
232	Novel strong cation-exchange type chiral stationary phase for the enantiomer separation of chiral amines by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2007, 1161, 242-251.	3.7	87
233	Stereoisomer analysis of wastewater-derived β -blockers, selective serotonin re-uptake inhibitors, and salbutamol by high-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1170, 23-33.	3.7	145
234	Porous molecularly imprinted polymer membranes and polymeric particles. <i>Analytica Chimica Acta</i> , 2007, 582, 311-319.	5.4	72
235	Enantioseparation of phenothiazines by affinity electrokinetic chromatography using human serum albumin as chiral selector. <i>Analytica Chimica Acta</i> , 2007, 582, 223-228.	5.4	25
236	A composite enzymatic membrane for the specific separation and concentration of l-glycerophosphate from a racemic d/l glycerophosphate mixture. <i>Enzyme and Microbial Technology</i> , 2007, 40, 1604-1607.	3.2	4
237	Functionalization of cellulose dialysis membranes for chiral separation using beta-cyclodextrin immobilization. <i>Journal of Membrane Science</i> , 2007, 290, 78-85.	8.2	63
238	Chiral recognition of 1,1'-binaphthyl-2,2'-diyl hydrogenphosphate using fluorescence anisotropy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 187, 139-145.	3.9	7
239	A novel strategy for the determination of enantiomeric compositions of chiral compounds by chemometric analysis of the UV-vis spectra of bovine serum albumin receptor-ligand mixtures. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 279-283.	3.9	17

#	ARTICLE	IF	CITATIONS
240	Chiral separation of l,d-tyrosine and l,d-tryptophan by ct DNA. Separation and Purification Technology, 2007, 55, 388-391.	7.9	37
241	Ultra-performance liquid chromatography/tandem mass spectrometric determination of diastereomers of SCH 503034 in monkey plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 852, 92-100.	2.3	19
242	HPLC separation technique for analysis of bufuralol enantiomers in plasma and pharmaceutical formulations using a vancomycin chiral stationary phase and UV detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 856, 328-336.	2.3	19
243	Enantiomeric Separation of Naproxen by High Performance Liquid Chromatography Using CHIRALCEL OD as Stationary Phase. Chinese Journal of Analytical Chemistry, 2007, 35, 75-78.	1.7	12
244	1-[(1R,2R)-2-(1,8-Naphthalimido)cyclohexyl]-3-phenylthiourea. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2866-o2868.	0.2	0
245	Immobilized polysaccharide derivatives: chiral packing materials for efficient HPLC resolution. Chemical Record, 2007, 7, 91-103.	5.8	34
246	Enantioseparation of tetrahydropalmatine and Tröger's base by molecularly imprinted monolith in capillary electrochromatography. Journal of Proteomics, 2007, 70, 71-76.	2.4	50
247	Separation and Recognition of the Enantiomers of trans Arylcyclopropanecarboxylic Acids and their Amide and Nitrile Derivatives on Polysaccharide Stationary Phases. Chromatographia, 2007, 65, 343-348.	1.3	2
248	A comprehensive chemoselective and enantioselective 2D-HPLC set-up for fast enantiomer analysis of a multicomponent mixture of derivatized amino acids. Analytical and Bioanalytical Chemistry, 2007, 388, 1717-1724.	3.7	21
249	Chiral recognition applications of molecularly imprinted polymers: a critical review. Analytical and Bioanalytical Chemistry, 2007, 389, 377-397.	3.7	227
250	Efficient immobilization of polysaccharide derivatives as chiral stationary phases via copolymerization with vinyl monomers. Macromolecular Research, 2007, 15, 134-141.	2.4	4
251	Chiral discrimination of D- and L-amino acids using iodinated tyrosines as chiral references: Effect of iodine substituent. Journal of the American Society for Mass Spectrometry, 2007, 18, 1516-1524.	2.8	26
252	Modelling and experimental evaluation of reaction kinetics in reactive extraction for chiral separation of amines, amino acids and amino-alcohols. Chemical Engineering Science, 2007, 62, 1395-1407.	3.8	86
253	Preparation and enantiomer separation characteristics of chitosan/ β -cyclodextrin composite membranes. Journal of Membrane Science, 2007, 297, 262-270.	8.2	74
254	A screening study of ChirBase molecular database to explore the expanded chiral pool derived from the application of chiral chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2008, 46, 839-847.	2.8	28
255	Gas chromatographic analysis of amino acid enantiomers in Carbetocin peptide hydrolysates after fast derivatization with pentafluoropropyl chloroformate. Amino Acids, 2008, 35, 445-450.	2.7	13
256	Verification of the need for optical purity measurement of chiral pesticide standards as agricultural reference materials. Accreditation and Quality Assurance, 2008, 13, 373-379.	0.8	8
257	Chiral discrimination of α -amino acids by DNA tetranucleotides under electrospray ionization conditions. Rapid Communications in Mass Spectrometry, 2008, 22, 204-210.	1.5	13

#	ARTICLE	IF	CITATIONS
258	Encoding Absolute Configurations with Chiral Enantiophore Descriptors. Application to the Order of Elution of Enantiomers in Liquid Chromatography. <i>QSAR and Combinatorial Science</i> , 2008, 27, 1326-1336.	1.4	17
259	In-line coupling of a reversed-phase column to cope with limited chemoselectivity of a quinine carbamate-based anion-exchange type chiral stationary phase. <i>Journal of Separation Science</i> , 2008, 31, 1702-1711.	2.5	21
260	Enantioseparation of nuarimol by affinity electrokinetic chromatography—partial filling technique using human serum albumin as chiral selector. <i>Journal of Separation Science</i> , 2008, 31, 3265-3271.	2.5	7
261	Extended Surface Chirality for Enantiospecific Adsorption. <i>Chemistry - A European Journal</i> , 2008, 14, 8312-8321.	3.3	15
262	Determination of Enantiomeric Compositions by Transient Absorption Spectroscopy using Proteins as Chiral Selectors. <i>Chemistry - A European Journal</i> , 2008, 14, 11284-11287.	3.3	16
263	The chiral resolution of pesticides on amylose-tris(3,5-dimethylphenylcarbamate) CSP by HPLC and the enantiomeric identification by circular dichroism. <i>Chirality</i> , 2008, 20, 40-46.	2.6	22
264	Enantioseparation of 2-aryl-1,3-dicarbonyl analogues by high performance liquid chromatography using polysaccharide type chiral stationary phase. <i>Chirality</i> , 2008, 20, 147-150.	2.6	5
265	A multichannel electrophoresis microchip platform for rapid chiral selector screening. <i>Electrophoresis</i> , 2008, 29, 1918-1923.	2.4	17
266	A Thermoresponsive Membrane for Chiral Resolution. <i>Advanced Functional Materials</i> , 2008, 18, 652-663.	14.9	94
267	Investigation of monovalent and bivalent enantioselective molecular recognition by electrospray ionization-mass spectrometry and tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1629-1642.	2.8	11
268	Immobilized-type chiral packing materials for HPLC based on polysaccharide derivatives. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 875, 2-11.	2.3	70
269	On the development of an integrated membrane process with ionic liquids for the kinetic resolution of rac-2-pentanol. <i>Journal of Membrane Science</i> , 2008, 314, 238-246.	8.2	28
270	Enantioseparation on a chiral nanostructured surface: Effect of molecular shape. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 4615-4622.	2.6	4
271	Preparative separation of ketoprofen enantiomers: Choice of mobile phase composition and measurement of competitive adsorption isotherms. <i>Separation and Purification Technology</i> , 2008, 61, 375-383.	7.9	29
272	Preparation of novel β -cyclodextrin chiral stationary phase based on click chemistry. <i>Journal of Chromatography A</i> , 2008, 1191, 188-192.	3.7	85
273	Enantiomer resolution screening strategy using multiple immobilised polysaccharide-based chiral stationary phases. <i>Journal of Chromatography A</i> , 2008, 1191, 214-222.	3.7	114
274	Simple method for the prediction of the separation of racemates with high-performance liquid chromatography on Whelk-O1 chiral stationary phase. <i>Journal of Chromatography A</i> , 2008, 1185, 49-58.	3.7	17
275	Chiral separation of (R,S)-2-phenyl-1-propanol through cellulose acetate butyrate membranes. <i>Journal of Membrane Science</i> , 2008, 321, 293-298.	8.2	36

#	ARTICLE	IF	CITATIONS
276	Chiral Separation of (R,R)-Tadalafil and Its Enantiomer in Bulk Drug Samples and Pharmaceutical Dosage Forms by Chiral RP-LC. <i>Chromatographia</i> , 2008, 67, 633-638.	1.3	7
277	Organic-Inorganic Hybrid Materials for Efficient Enantioseparation Using Cellulose 3,5-Dimethylphenylcarbamate and Tetraethyl Orthosilicate. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1494-1499.	3.3	38
278	Hybrid porous solids: past, present, future. <i>Chemical Society Reviews</i> , 2008, 37, 191-214.	38.1	5,395
279	Stereoselective degradation of diclofop-methyl in soil and Chinese cabbage. <i>Pesticide Biochemistry and Physiology</i> , 2008, 92, 1-7.	3.6	12
280	Membranes and membrane processes for chiral resolution. <i>Chemical Society Reviews</i> , 2008, 37, 1243.	38.1	283
281	Thermodynamic Approach to Enantioseparation of Aryl-Methyl Sulfoxides on Teicoplanin Aglycone Stationary Phase. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2008, 32, 331-347.	1.0	6
282	Monte Carlo Modeling of Chiral Adsorption on Nanostructured Chiral Surfaces and Slit Pores. <i>Langmuir</i> , 2008, 24, 12972-12980.	3.5	5
283	Separation of Racemate from Excess Enantiomer of Chiral Nonracemic Compounds via Density Gradient Ultracentrifugation. <i>Journal of the American Chemical Society</i> , 2008, 130, 2426-2427.	13.7	34
284	Synergistic Effects on Enantioselectivity of Zwitterionic Chiral Stationary Phases for Separations of Chiral Acids, Bases, and Amino Acids by HPLC. <i>Analytical Chemistry</i> , 2008, 80, 8780-8789.	6.5	180
285	Chiral ^{13}C -Aryl-1H-1,2,4-triazole Derivatives as Highly Potential Antifungal Agents: Design, Synthesis, Structure, and in Vitro Fungicidal Activities. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 11367-11375.	5.2	28
286	Polarimetric Detection in Liquid Chromatography: An Approach to Correct Refractive Index Artefacts. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2008, 31, 3115-3131.	1.0	10
287	Two Mass-Spectrometric Techniques for Quantifying Serine Enantiomers and Glycine in Cerebrospinal Fluid: Potential Confounders and Age-Dependent Ranges. <i>Clinical Chemistry</i> , 2008, 54, 1443-1450.	3.2	42
288	Chiral nanopatterned surfaces as versatile enantiospecific adsorbents: A Monte Carlo model. <i>Journal of Chemical Physics</i> , 2008, 128, 184702.	3.0	6
289	Ten-membered Rings or Larger with One or More Oxygen Atoms. , 2008, , 667-749.		0
290	The Chiral Separation of Triazole Pesticides Enantiomers by Amylose-tris(3,5-dimethylphenylcarbamate) Chiral Stationary Phase. <i>Journal of Chromatographic Science</i> , 2008, 46, 787-792.	1.4	8
291	Evaluation of Chiral Amino Acid Discrimination by a Permethylated Cyclic Tetrasaccharide, $1\alpha^{\dagger}$, Using FAB Mass Spectrometry. <i>Chemistry Letters</i> , 2008, 37, 1054-1055.	1.3	4
292	Molecularly imprinted polymers: a new approach to the preparation of functional materials. <i>Proceedings of the Estonian Academy of Sciences</i> , 2009, 58, 3.	1.5	28
293	Enzyme-assisted physicochemical enantioseparation processes: Part I. Production and characterization of a recombinant amino acid racemase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 58, 10-16.	1.8	18

#	ARTICLE	IF	CITATIONS
295	Efficient separation of enantiomers by preferential crystallization in two coupled vessels. <i>AIChE Journal</i> , 2009, 55, 640-649.	3.6	48
296	Separation of chiral mixtures in real SMB units: The FlexSMB®. <i>AIChE Journal</i> , 2010, 56, 125-142.	3.6	20
298	High throughput multiplexed method for evaluation of enantioselective performance of chiral selectors by HPLC-ESI-MS and dynamic titration: Cinchona alkaloid carbamates discriminating <i>N</i> -blocked amino acids. <i>Chirality</i> , 2009, 21, 929-936.	2.6	8
299	Fast chiral separation of drugs using columns packed with sub-2 µm particles and ultra-high pressure. <i>Chirality</i> , 2010, 22, 320-330.	2.6	48
300	Experimental and computational studies of enantioseparation of structurally similar chiral compounds on amylose tris(3,5-dimethylphenylcarbamate). <i>Chirality</i> , 2010, 22, 565-579.	2.6	34
301	Simultaneous enantioseparation of cyproconazole, bromconazole, and diniconazole enantiomers by CD-modified MEKC. <i>Electrophoresis</i> , 2009, 30, 1976-1982.	2.4	17
302	Advanced CE for chiral analysis of drugs, metabolites, and biomarkers in biological samples. <i>Electrophoresis</i> , 2009, 30, 2773-2802.	2.4	80
303	Kinetic resolution of 1-phenylethanol integrated with separation of substrates and products by a supported ionic liquid membrane. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 337-342.	3.2	22
304	Exploring enantioselective molecular recognition mechanisms with chemoinformatic techniques. <i>Journal of Separation Science</i> , 2009, 32, 1566-1584.	2.5	46
305	Molecular recognition properties of tartrates and metal-tartrates in solution and gas phase. <i>Journal of Separation Science</i> , 2009, 32, 1537-1547.	2.5	18
306	Enantioselective Precipitation and Solid-State Fluorescence Enhancement in the Recognition of L-Hydroxycarboxylic Acids. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 382-385.	13.8	95
307	Enantioselective analysis of primaquine and its impurity quinocide by capillary electrophoresis. <i>Biomedical Chromatography</i> , 2009, 23, 295-301.	1.7	10
308	Effects of spacer arm length and benzoation on enantioseparation performance of β -cyclodextrin functionalized cellulose membranes. <i>Journal of Membrane Science</i> , 2009, 339, 21-27.	8.2	24
309	A new example of reversal of the order of migration of enantiomers, as a function of cyclodextrin concentration and pH, by cyclodextrin-modified capillary zone electrophoresis: enantioseparation of 6,6'-dibromo-1,1'-binaphthyl-2,2'-diol. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 2193-2201.	3.7	12
310	Chiral polymers for resolution of enantiomers. <i>Journal of Polymer Science Part A</i> , 2009, 47, 1731-1739.	2.3	115
311	Chiral polyamides consisting of N-benzoyl-L-glutamic acid as a diacid component. <i>Journal of Polymer Science Part A</i> , 2009, 47, 2530-2538.	2.3	15
312	Computational design of <i>Candida boidinii</i> xylose reductase for altered cofactor specificity. <i>Protein Science</i> , 2009, 18, 2125-2138.	7.6	84
313	Chiral separation of trans-stilbene oxide through cellulose acetate butyrate membrane. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1052-1056.	1.8	9

#	ARTICLE	IF	CITATIONS
314	Chiral recognition of carboxylic acids by Tröger's base derivatives. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 2257-2262.	1.8	42
315	Enantioseparation of trans-stilbene oxide using a cellulose acetate membrane. <i>Journal of Membrane Science</i> , 2009, 336, 149-153.	8.2	17
316	Chitosan chiral ligand exchange membranes for sorption resolution of amino acids. <i>Chemical Engineering Science</i> , 2009, 64, 1462-1473.	3.8	14
317	Temperature-induced inversion of elution order in the chromatographic enantioseparation of 1,1'-bi-2-naphthol on an immobilized polysaccharide-based chiral stationary phase. <i>Journal of Chromatography A</i> , 2009, 1216, 5429-5435.	3.7	37
318	Synthesis of a chiral asymmetrical NCN ligand and its metallation. <i>Comptes Rendus Chimie</i> , 2009, 12, 560-564.	0.5	0
319	Enantioselective separation of indole derivatives by liquid chromatography using immobilized cellulose (3,5-dimethylphenylcarbamate) chiral stationary phase. <i>Journal of Analytical Chemistry</i> , 2009, 64, 795-805.	0.9	3
320	Arabinose, Fucose, Ribodexose, Lyxose, and Ribose Used as Chiral Stationary Phases in HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009, 32, 553-559.	1.0	3
321	Separation of Racemic Chiral Drugs Using Immobilized CHIRALPAK IA: Methodology for Preparative Scale Development. <i>Separation Science and Technology</i> , 2009, 44, 275-303.	2.5	17
322	Structure Control of Polysaccharide Derivatives for Efficient Separation of Enantiomers by Chromatography. <i>Chemical Reviews</i> , 2009, 109, 6077-6101.	47.7	383
323	Some suggested perspectives for multifunctional hybrid porous solids. <i>Dalton Transactions</i> , 2009, , 4400.	3.3	168
324	Development of New HPLC Chiral Stationary Phases Based on Native and Derivatized Cyclofructans. <i>Analytical Chemistry</i> , 2009, 81, 10215-10226.	6.5	157
325	Distributed Drug Discovery, Part 2: Global Rehearsal of Alkylating Agents for the Synthesis of Resin-Bound Unnatural Amino Acids and Virtual D ³ Catalog Construction. <i>ACS Combinatorial Science</i> , 2009, 11, 14-33.	3.3	35
326	Enantioselective Separation Using Chiral Mesoporous Spherical Silica Prepared by Templating of Chiral Block Copolymers. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1834-1842.	8.0	70
327	Enantioselective crystallization on nanochiral surfaces. <i>Chemical Society Reviews</i> , 2009, 38, 772.	38.1	85
328	Analysis of Small Amounts of D-Amino Acids and the Study of Their Physiological Functions in Mammals. <i>Analytical Sciences</i> , 2009, 25, 961-968.	1.6	63
329	Enzyme Stereospecificity as a Powerful Tool in Searching for New Enzymes. <i>Current Drug Metabolism</i> , 2010, 11, 547-559.	1.2	6
330	Molecular Modeling of Enantioseparation of Phenylazetidin Derivatives by Cyclodextrins. <i>Chromatographia</i> , 2010, 71, 21-28.	1.3	20
331	Polymeric Membranes for Chiral Separation of Pharmaceuticals and Chemicals. <i>Polymer Reviews</i> , 2010, 50, 113-143.	10.9	144

#	ARTICLE	IF	CITATIONS
332	Synthesis of chiral mesoporous silica and its potential application to asymmetric separation. Adsorption, 2010, 16, 577-586.	3.0	11
333	Efficient Production of (S)-Naproxen with (R)-Substrate Recycling Using an Overexpressed Carboxylesterase BsE-NP01. Applied Biochemistry and Biotechnology, 2010, 162, 1574-1584.	2.9	8
334	Molecular brake systems controlled by light and heat. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2010, 68, 1-24.	1.6	20
335	Biocatalytic kinetic resolution of (S)-1-phenylethanol and (S)-2-pentanol in hexane medium: ACYL donor and water content effects. Canadian Journal of Chemical Engineering, 2010, 88, 442-446.	1.7	2
336	Preparation of open tubular molecule imprinted polymer capillary columns with various templates by a generalized procedure and their chiral and non-chiral separation performance in CEC. Electrophoresis, 2010, 31, 1019-1028.	2.4	45
337	Unexpected enantioseparation of mandelic acids and their derivatives on 1,2,3-triazolo-linked quinine (S)-tert-butyl carbamate anion exchange-type chiral stationary phase. Journal of Separation Science, 2010, 33, 2590-2598.	2.5	24
338	Separation of chiral molecules by temperature programmed desorption. Applied Surface Science, 2010, 256, 5503-5507.	6.1	2
339	Enantioseparation of lomefloxacin hydrochloride by high-speed counter-current chromatography using sulfated- β -cyclodextrin as a chiral selector. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 2937-2941.	2.3	22
340	Chiral separation abilities: Aspartic acid block copolymer-imprinted mesoporous silica. Microporous and Mesoporous Materials, 2010, 129, 82-89.	4.4	51
341	Molecular docking study for the prediction of enantiodifferentiation of chiral styrene oxides by octakis(2,3-di-O-acetyl-6-O-tert-butyl dimethylsilyl)- β -cyclodextrin. Journal of Molecular Graphics and Modelling, 2010, 28, 506-512.	2.4	26
342	Simultaneous analysis of bambuterol and its active metabolite terbutaline enantiomers in rat plasma by chiral liquid chromatography-tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2010, 52, 227-231.	2.8	37
343	Enantioseparation on cellulose dimethylphenylcarbamate-modified zirconia monolithic columns by reversed-phase capillary electrochromatography. Journal of Chromatography A, 2010, 1217, 4494-4500.	3.7	35
344	Simultaneous determination of hydrophilic amino acid enantiomers in mammalian tissues and physiological fluids applying a fully automated micro-two-dimensional high-performance liquid chromatographic concept. Journal of Chromatography A, 2010, 1217, 1056-1062.	3.7	112
345	Chromatographic peak deconvolution of constitutional isomers by multiple-reaction-monitoring mass spectrometry. Journal of Chromatography A, 2010, 1217, 1010-1016.	3.7	8
346	Extending the use of "Inverted Chirality Columns Approach" for enantiomeric excess determination in absence of reference samples: Application to a water-soluble camptothecin derivative. Journal of Chromatography A, 2010, 1217, 1024-1032.	3.7	30
347	Reversed-phase screening strategies for liquid chromatography on polysaccharide-derived chiral stationary phases. Journal of Chromatography A, 2010, 1217, 1048-1055.	3.7	108
348	Chiral interaction between aromatic aldehydes and a polymer bearing large chiral rings obtained by cyclopolymerization of bisacrylamide. Polymer Journal, 2010, 42, 138-141.	2.7	2
349	Chiral Recognizable Properties of Thermosensitive Poly(NIPA-co-NALPE) Hydrogels. Advanced Materials Research, 2010, 160-162, 13-18.	0.3	0

#	ARTICLE	IF	CITATIONS
350	Chiral Capillary Electrophoresis with On-Line Sample Preparation. Current Pharmaceutical Analysis, 2010, 6, 76-100.	0.6	17
351	Solid-Liquid Equilibria of Mandelic Acid Enantiomers in Two Chiral Solvents: Experimental Determination and Model Correlation. Journal of Chemical & Engineering Data, 2010, 55, 333-340.	1.9	16
352	Enantioselectively controlled release of chiral drug (metoprolol) using chiral mesoporous silica materials. Nanotechnology, 2010, 21, 165103.	2.6	30
353	Ternary Solubility Phase Diagrams of Mandelic Acid and <i>N</i> -Methylephedrine in Chiral Solvents with Different Carbon Chain Lengths. Crystal Growth and Design, 2010, 10, 4023-4029.	3.0	14
354	Enantioselective Adsorption Characteristics of Aluminum-Substituted MFI Zeolites. Chemistry of Materials, 2010, 22, 4591-4601.	6.7	15
355	Chiral Recognition Mechanism: Practical Considerations for Pharmaceutical Analysis of Chiral Compounds. , 2010, , 153-201.		3
356	Loadings, trends, comparisons, and fate of achiral and chiral pharmaceuticals in wastewaters from urban tertiary and rural aerated lagoon treatments. Water Research, 2010, 44, 533-544.	11.3	93
357	Chiral Recognition in Separation Methods. , 2010, , .		81
358	Chiral resolution of a racemic macrocyclic complex by recognition of one enantiomer over the other: structures and DFT calculations. Dalton Transactions, 2010, 39, 4274.	3.3	21
359	Chiral-mesoporous-polypyrrole nanoparticles: Its chiral recognition abilities and use in enantioselective separation. Journal of Materials Chemistry, 2010, 20, 4085.	6.7	58
360	Enantioselective recognition of chiral carboxylic anions by a ruthenacyclic receptor. New Journal of Chemistry, 2010, 34, 762.	2.8	3
361	Preferential Crystallization of <i>L</i> -Asparagine in Water. Crystal Growth and Design, 2011, 11, 2149-2163.	3.0	27
362	Enantioselective Polymeric Composite Membrane for Optical Resolution of Racemic Mixtures of \pm -Amino Acids. Separation Science and Technology, 2011, 46, 1898-1907.	2.5	20
363	Conglomerate crystallization on self-assembled monolayers. Chemical Communications, 2011, 47, 12161.	4.1	14
364	Novel chiral recognition beyond the limitation due to the law of mass action: highly enantioselective chiral sensing based on non-linear response in phase transition events. Chemical Communications, 2011, 47, 6617.	4.1	5
365	Investigation of Stability and Structure in Three Homochiral and Heterochiral Crystalline Forms of 3-Phenyllactic Acid. Crystal Growth and Design, 2011, 11, 2422-2428.	3.0	14
366	Preparation and Chiral Resolution Properties of L-Phenylalanine Modified Poly<i>NIPAAm-Co-AAc</i> Hydrogels. Advanced Materials Research, 0, 332-334, 1852-1855.	0.3	0
367	Residue Analysis and Degradation Studies of Fenbuconazole and Myclobutanil in Strawberry by Chiral High-Performance Liquid Chromatography-Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2011, 59, 12012-12017.	5.2	54

#	ARTICLE	IF	CITATIONS
368	Synthesis of chiral calix[4]arenes bearing aminonaphthol moieties and their use in the enantiomeric recognition of carboxylic acids. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 571-580.	2.8	51
370	Thermo-Responsive Membranes for Chiral Resolution. <i>Advanced Topics in Science and Technology in China</i> , 2011, , 121-143.	0.1	3
371	Separation of enantiomers on diastereomeric right- and left-handed helical poly(phenyl isocyanide)s bearing l-alanine pendants immobilized on silica gel by HPLC. <i>Polymer Chemistry</i> , 2011, 2, 91-98.	3.9	67
373	Chiral separation by enantioselective liquid-liquid extraction. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 36-51.	2.8	175
374	Chiral Separations. , 2011, , 737-751.		1
375	Development of Quality Assessment Method for Optically Active Food Flavor Chemicals. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 923-930.	1.5	4
376	New Materials in Electrochemical Sensors for Pesticides Monitoring. , 2011, , .		1
377	Synthesis and Chiral Recognition Ability of a Poly(phenylenevinylene)-Encapsulated Amylose Derivative. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 741-747.	3.2	13
378	Chiral recognition ability of cellulose derivatives bearing pyridyl and bipyridyl residues as chiral stationary phases for high-performance liquid chromatography. <i>Polymer Journal</i> , 2011, 43, 84-90.	2.7	16
379	Experimental and model study on the multiple chemical equilibrium for reactive extraction of ibuprofen enantiomers with HP- β -CD as hydrophilic selector. <i>Process Biochemistry</i> , 2011, 46, 1817-1824.	3.7	13
380	Equilibrium Studies on Liquid-Liquid Reactive Extraction of Phenylsuccinic Acid Enantiomers Using Hydrophilic β -CD Derivatives Extractants. <i>Chinese Journal of Chemical Engineering</i> , 2011, 19, 397-403.	3.5	8
381	Enantiomeric resolution of tryptophan via stereoselective binding in an ion-exchange membrane partitioned free flow isoelectric focusing system. <i>Chemical Engineering Journal</i> , 2011, 174, 522-529.	12.7	9
382	Phytotoxicity and Environmental Fate of Chiral Herbicides. <i>ACS Symposium Series</i> , 2011, , 135-150.	0.5	2
383	Chiral separation of D-, L-tyrosine through nitrocellulose membrane. <i>Journal of Applied Polymer Science</i> , 2012, 124, 5187-5193.	2.6	5
384	Enantioselective extraction of terbutaline enantiomers with β -cyclodextrin derivatives as hydrophilic selectors. <i>Chemical Papers</i> , 2011, 65, .	2.2	7
385	Enantioseparation of the New Antifungal Drug Iodiconazole and Structurally Related Triadimenol Analogues by CE with Neutral Cyclodextrin Additives. <i>Chromatographia</i> , 2011, 73, 1009-1014.	1.3	13
386	Single-walled carbon nanotubes for improved enantioseparations on a chiral ionic liquid stationary phase in GC. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 143-147.	3.7	117
387	A high throughput approach to purifying chiral molecules using 3 μ m analytical chiral stationary phases via supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 3529-3536.	3.7	41

#	ARTICLE	IF	CITATIONS
388	A chromatographic study on the exceptional enantioselectivity of cellulose tris(4-methylbenzoate) towards C5-chiral 4,5-dihydro-(1H)-pyrazole derivatives. <i>Journal of Chromatography A</i> , 2011, 1218, 5653-5657.	3.7	13
389	Modeling multiple chemical equilibrium for reactive extraction of naproxen enantiomers with HP- β -CD as hydrophilic selector. <i>Science China Chemistry</i> , 2011, 54, 1130-1137.	8.2	1
390	Chiral HPLC separation and absolute configuration assignment of a series of new triazole compounds. <i>Journal of Separation Science</i> , 2011, 34, 363-370.	2.5	18
391	Improved preparation of chiral stationary phases via immobilization of polysaccharide derivative-based selectors using diisocyanates. <i>Journal of Separation Science</i> , 2011, 34, 1763-1771.	2.5	10
392	Novel Pirkle-type quinine 3,5-dinitrophenylcarbamate chiral stationary phase implementing click chemistry. <i>Journal of Separation Science</i> , 2011, 34, 2391-2396.	2.5	24
393	Novel membrane processes for the enantiomeric resolution of tryptophan by selective permeation enhancements. <i>AIChE Journal</i> , 2011, 57, 1154-1162.	3.6	10
394	Solution-stable Triple Helicates of Quaterimidazole: Three-Dimensional Crystal Structures and Optical Resolution by Chiral-Column HPLC. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3438-3445.	2.0	15
395	Chiral Amplification in Crystallization under Ultrasound Radiation. <i>Chemistry - A European Journal</i> , 2011, 17, 11139-11142.	3.3	25
396	3,3'-diarylbisBINOL phosphoric acids as enantioselective extractants of benzylic primary amines. <i>Chirality</i> , 2011, 23, 34-43.	2.6	24
397	Chiral Metal-Organic Frameworks and Their Application in Asymmetric Catalysis and Stereoselective Separation. <i>Chemie-Ingenieur-Technik</i> , 2011, 83, 90-103.	0.8	139
398	Quick development of an analytical enantioselective high performance liquid chromatography separation and preparative scale-up for the flavonoid Naringenin. <i>Journal of Chromatography A</i> , 2011, 1218, 5414-5422.	3.7	57
399	Steric effects on the enantiodiscrimination of diproline chiral stationary phases in the resolution of racemic compounds. <i>Journal of Chromatography A</i> , 2011, 1218, 5498-5503.	3.7	5
400	Efficient synthesis and chiral separation of ^{11}C -labeled ibuprofen assisted by DMSO for imaging of in vivo behavior of the individual isomers by positron emission tomography. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 3265-3273.	3.0	14
401	Chiral separations and quantitative analysis of optical isomers on cellulose tribenzoate plates. <i>Journal of Chromatography A</i> , 2011, 1218, 2737-2744.	3.7	13
402	Amphiphilic polymer conetworks as chiral separation membranes. <i>Journal of Membrane Science</i> , 2011, 372, 219-227.	8.2	57
403	A validated chiral liquid chromatographic method for the enantiomeric separation of safinamide mesilate, a new anti-Parkinson drug. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 55, 220-224.	2.8	13
404	Enantioselective adsorption and diffusion of S-/R-glycidol in homochiral zeolites: A molecular simulation study. <i>Journal of Membrane Science</i> , 2011, 367, 63-70.	8.2	19
405	Determination of Kinetics in Biphasic Recognition Chiral Extraction for Separation of Phenylsuccinic Acid Enantiomers. <i>Separation Science and Technology</i> , 2011, 46, 2099-2109.	2.5	3

#	ARTICLE	IF	CITATIONS
406	Separation of the Two Enantiomers of Naproxcinod by Chiral Normal-Phase Liquid Chromatography. Journal of Chromatographic Science, 2011, 49, 272-275.	1.4	7
407	Comparative Analysis of Chiral Drugs in View of Chemometrics. Journal of AOAC INTERNATIONAL, 2012, 95, 624-635.	1.5	9
408	Analytical methods for venlafaxine hydrochloride and metabolites determinations in different matrices. Systematic Reviews in Pharmacy (discontinued), 2012, 3, 42.	0.2	7
409	Acylation of Chiral Alcohols: A Simple Procedure for Chiral GC Analysis. Journal of Analytical Methods in Chemistry, 2012, 2012, 1-10.	1.6	3
410	Substrate Inhibition in Lipase-Catalysed Transesterification of Mandelic acid with Vinyl Acetate. Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa, 2012, 33, 539-546.	0.7	1
411	Mechanistic Studies of Chiral Discrimination in Polysaccharide Phases. Advances in Chromatography, 2012, 50, 47-91.	1.0	3
412	Diastereoselective discrimination of lysineâ€“alanineâ€“alanine peptides by zwitterionic cinchona alkaloid-based chiral selectors using electrospray ionization mass spectrometry. Journal of Chromatography A, 2012, 1269, 308-315.	3.7	8
413	Enzymatic Production of Enantiopure Amino Acids from Mono-substituted Hydantoin Substrates. Methods in Molecular Biology, 2012, 794, 37-54.	0.9	2
414	Enantioseparation of Some New 1-(2-Naphthyl)-1-ethanol Ester Derivatives by HPLC on Chiralcel OD. Chromatographia, 2012, 75, 1191-1197.	1.3	3
415	Equilibria and kinetics of reactive extraction of pranoprofen enantiomers from organic solution. Chemical Engineering and Processing: Process Intensification, 2012, 61, 16-22.	3.6	5
416	Complementary enantio recognition patterns and specific method optimization aspects on immobilized polysaccharide-derived chiral stationary phases. Journal of Chromatography A, 2012, 1269, 178-188.	3.7	84
417	Chiral biointerface materials. Chemical Society Reviews, 2012, 41, 1972-1984.	38.1	181
418	Experimental and Model Study on Enantioselective Extraction of Phenylglycine Enantiomers with BINAPâ€“Metal Complexes. Industrial & Engineering Chemistry Research, 2012, 51, 15233-15241.	3.7	11
419	Catalytic profiles of lipolytic biocatalysts produced by filamentous fungi. Biocatalysis and Biotransformation, 2012, 30, 459-468.	2.0	3
420	Equilibrium and Kinetics of Reactive Extraction of Ibuprofen Enantiomers from Organic Solution by Hydroxypropyl-Î²-cyclodextrin. Industrial & Engineering Chemistry Research, 2012, 51, 964-971.	3.7	15
421	Monoliths with proteins as chiral selectors for enantiomer separation. Talanta, 2012, 91, 7-17.	5.5	57
422	Handedness Enantioselection of Carbon Nanotubes Using Helical Assemblies of Flavin Mononucleotide. Journal of the American Chemical Society, 2012, 134, 13196-13199.	13.7	40
423	Preparation and Chiral Separation of a Novel Immobilized Cellulose-Based Chiral Stationary Phase in High-Performance Liquid Chromatography. Journal of Chromatographic Science, 2012, 50, 516-522.	1.4	9

#	ARTICLE	IF	CITATIONS
424	Zirconia-Based Stationary Phases for Chiral Separation: Mini Review. <i>Analytical Letters</i> , 2012, 45, 15-42.	1.8	8
425	Supercritical fluid chromatography for the enantioseparation of pharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 69, 77-92.	2.8	156
426	Preparation, characterization and application of β -cyclodextrin-glutaraldehyde crosslinked membrane for the enantiomeric separation of amino acids. <i>Desalination</i> , 2012, 298, 13-21.	8.2	46
427	Enantioselectivity of polysaccharide-based chiral stationary phases in supercritical fluid chromatography using methanol-containing carbon dioxide mobile phases. <i>Journal of Chromatography A</i> , 2012, 1269, 336-345.	3.7	51
428	The selective adsorption of human serum albumin on N-isobutryl-cysteine enantiomers modified chiral surfaces. <i>Biochemical Engineering Journal</i> , 2012, 69, 155-158.	3.6	13
429	The transformation of chiral signals into macroscopic properties of materials using chirality-responsive polymers. <i>NPG Asia Materials</i> , 2012, 4, e4-e4.	7.9	54
430	Analysis of Tebuconazole and Tetraconazole Enantiomers by Chiral HPLC-MS/MS and Application to Measure Enantioselective Degradation in Strawberries. <i>Food Analytical Methods</i> , 2012, 5, 1342-1348.	2.6	27
432	Resolution of a Diastomeric Salt of Citalopram by Multistage Crystallization. <i>Crystal Growth and Design</i> , 2012, 12, 2557-2566.	3.0	18
433	Unnatural Amino Acids. <i>Methods in Molecular Biology</i> , 2012, , .	0.9	52
434	Enantioselective separation and simultaneous determination of fenarimol and nuarimol in fruits, vegetables, and soil by liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 1983-1991.	3.7	15
435	³¹ P NMR spectroscopy and pattern-recognition techniques as tools for the identification and enantiodiscrimination of β -amino acids. <i>New Journal of Chemistry</i> , 2012, 36, 566.	2.8	14
436	On the abundance of chiral crystals. <i>Chemical Communications</i> , 2012, 48, 5874.	4.1	69
437	One-step multiple component isolation from the oil of <i>C. rinitaria tatarica</i> (Less.) <i>S. ojak</i> by preparative capillary gas chromatography with characterization by spectroscopic and spectrometric techniques and evaluation of biological activity. <i>Journal of Separation Science</i> , 2012, 35, 650-660.	2.5	23
438	Enantioselective analysis of ofloxacin enantiomers by partial-filling capillary electrophoresis with bacteria as chiral selectors. <i>Journal of Separation Science</i> , 2012, 35, 2101-2107.	2.5	14
439	When Cyclodextrins Meet Click Chemistry. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4087-4105.	2.4	58
440	Development of a validated capillary electrophoresis method for enantiomeric purity control and quality control of levocetirizine in a pharmaceutical formulation. <i>Chirality</i> , 2012, 24, 276-282.	2.6	15
441	Solution-phase synthesis and evaluation of tetraproline chiral stationary phases. <i>Chirality</i> , 2012, 24, 329-338.	2.6	7
442	Evaluation of β -click-binaphthyl chiral stationary phases by liquid chromatography. <i>Chirality</i> , 2012, 24, 391-399.	2.6	6

#	ARTICLE	IF	CITATIONS
443	Direct Enantioseparation of Nitrogenâ€¦heterocyclic Pesticides on Amyloseâ€¦trisâ€¦(5â€¦chloroâ€¦2â€¦methylphenylcarbamate) by Reversedâ€¦Phase Highâ€¦Performance Liquid Chromatography. Chirality, 2012, 24, 1031-1036.	2.6	13
444	Combined use of isopropylamine and trifluoroacetic acid in methanol-containing mobile phases for chiral supercritical fluid chromatography. Journal of Chromatography A, 2012, 1234, 72-79.	3.7	55
445	Kinetic study on reactive extraction for chiral separation of oxybutynin enantiomers. Separation and Purification Technology, 2012, 92, 30-35.	7.9	13
446	Assessment of the stereoselective fungal biotransformation of albendazole and its analysis by HPLC in polar organic mode. Journal of Pharmaceutical and Biomedical Analysis, 2012, 61, 100-107.	2.8	23
447	The exploration of the reversed enantioselectivity of a chitosan functionalized cellulose acetate membranes in an electric field driven process. Journal of Membrane Science, 2012, 389, 372-379.	8.2	22
448	Enantioselective degradation of tebuconazole in cabbage, cucumber, and soils. Chirality, 2012, 24, 104-111.	2.6	47
449	Chiral calix[4]arenes bearing amino alcohol functionality as membrane carriers for transport of chiral amino acid methylesters and mandelic acid. Chirality, 2012, 24, 129-136.	2.6	19
450	Kinetic study on biphasic recognition chiral extraction for separation of Î±â€¦cyclohexylâ€¦mandelic acid enantiomers. Journal of Chemical Technology and Biotechnology, 2012, 87, 976-982.	3.2	4
451	A Model to Evaluate the Cytotoxicity of the Fungal Volatile Organic Compound 1-octen-3-ol in Human Embryonic Stem Cells. Mycopathologia, 2012, 173, 13-20.	3.1	40
452	Extraction of Tryptophan enantiomers by aqueous twoâ€¦phase systems of ethanol and (NH_4) SO_4 . Journal of Chemical Technology and Biotechnology, 2013, 88, 1545-1550.	3.2	19
453	Enantioselective extraction of (+)-(S)-citalopram and its main metabolites using a tailor-made stir bar chiral imprinted polymer for their LC-ESI-MS/MS quantitation in urine samples. Talanta, 2013, 116, 448-453.	5.5	17
454	Enantiomeric separation of d- and l-lactic acid enantiomers by use of nanotubular cyclicpeptides: A DFT study. Computational and Theoretical Chemistry, 2013, 1020, 163-169.	2.5	7
455	A reagentless enantioselective sensor for tryptophan enantiomers via nanohybrid matrices. Analytical Methods, 2013, 5, 4397.	2.7	25
456	Electromigration Techniques. Springer Series in Chemical Physics, 2013, , .	0.2	17
457	Small Molecules as Chromatographic Tools for HPLC Enantiomeric Resolution: Pirkle-Type Chiral Stationary Phases Evolution. Chromatographia, 2013, 76, 871-897.	1.3	47
458	Supramolecular Helices: Chirality Transfer from Conjugated Molecules to Structures. Advanced Materials, 2013, 25, 6039-6049.	21.0	158
459	Studies on the chemoenzymatic synthesis of (R)- and (S)-methyl 3-aryl-3-hydroxypropionates: the influence of toluene-pretreatment of lipase preparations on enantioselective transesterifications. Tetrahedron: Asymmetry, 2013, 24, 925-936.	1.8	16
460	First chemoenzymatic synthesis of (R)- and (S)-1-(9H-fluoren-9-yl)ethanol. Tetrahedron: Asymmetry, 2013, 24, 1120-1126.	1.8	9

#	ARTICLE	IF	CITATIONS
461	Experimental and model study on enantioselective reactive extraction of p-hydroxyphenylglycine enantiomers with metal phosphine complexes. Separation and Purification Technology, 2013, 115, 83-91.	7.9	13
462	Preparation of molecularly imprinted resin based on chitosan for chiral recognition of S-mandelic acid. International Journal of Biological Macromolecules, 2013, 55, 207-213.	7.5	21
463	Preparative Separation of Enantiomers Based on Functional Nucleic Acids Modified Gold Nanoparticles. Chirality, 2013, 25, 751-756.	2.6	12
464	Review: Recent Application of Chiral Liquid Chromatography-Tandem Mass Spectrometric Methods for Enantiomeric Pharmaceutical and Biomedical Determinations. Journal of Chromatographic Science, 2013, 51, 753-763.	1.4	38
465	Functionalized assembly of solid membranes for chiral separation using polyelectrolytes and chiral ionic liquid. AIChE Journal, 2013, 59, 4772-4779.	3.6	23
466	Enantioselective Extraction System Containing Binary Chiral Selectors and Chromatographic Enantioseparation Method for Determination of the Absolute Configuration of Enantiomers of Cyclopentolate. Chromatographia, 2013, 76, 1603-1611.	1.3	6
467	Molecular Chirality in Chemistry and Biology: Historical Milestones. Helvetica Chimica Acta, 2013, 96, 1617-1657.	1.6	40
468	Impact of long-range van der Waals forces on chiral recognition in a Cinchona alkaloid chiral selector system. Physical Chemistry Chemical Physics, 2013, 15, 6113.	2.8	6
469	Enantioselective Recognition of Mandelic Acid Based on Hemoglobin and Multiwall Carbon Nanotubes Modified Electrode. Journal of the Electrochemical Society, 2013, 160, B213-B217.	2.9	12
470	Designing enantioselectivity in chiral self-assembly at a solid substrate: a theoretical study of competing interactions. Soft Matter, 2013, 9, 7988.	2.7	5
471	Chiral separation of 3,4-methylenedioxymethamphetamine (MDMA) enantiomers using batch chromatography with peak shaving recycling and its effects on oxidative stress status in rat liver. Journal of Pharmaceutical and Biomedical Analysis, 2013, 73, 13-17.	2.8	12
472	The Enantiomeric Separation of Tetrahydrobenzimidazoles Cyclodextrins and Cyclofructans. Chirality, 2013, 25, 133-140.	2.6	36
473	On the effect of basic and acidic additives on the separation of the enantiomers of some basic drugs with polysaccharide-based chiral selectors and polar organic mobile phases. Journal of Chromatography A, 2013, 1317, 167-174.	3.7	76
474	Liquid Chromatographic Separation of Enantiomers. , 2013, , 75-91.		1
475	Colloidal systems for crystallization processes from liquid phase. CrystEngComm, 2013, 15, 2175.	2.6	44
476	Common Screening Approaches for Efficient Analytical Method Development in LC and SFC on Columns Packed with Immobilized Polysaccharide-Derived Chiral Stationary Phases. Methods in Molecular Biology, 2013, 970, 113-126.	0.9	19
477	Enantioselective resolution of chiral drugs using BSA functionalized magnetic nanoparticles. Separation and Purification Technology, 2013, 107, 11-18.	7.9	55
478	Chiral Sensor Devices for Differentiation of Enantiomers. Topics in Current Chemistry, 2013, 341, 133-176.	4.0	21

#	ARTICLE	IF	CITATIONS
479	Regenerative Electronic Biosensors Using Supramolecular Approaches. ACS Nano, 2013, 7, 4014-4021.	14.6	46
480	A versatile polydopamine platform for facile preparation of protein stationary phase for chip-based open tubular capillary electrochromatography enantioseparation. Journal of Chromatography A, 2013, 1294, 145-151.	3.7	52
481	Enantioseparation of chiral ofloxacin using biomacromolecules. Korean Journal of Chemical Engineering, 2013, 30, 1448-1453.	2.7	11
482	Preparation and performance evaluation of enantioselective polymer composite materials. RSC Advances, 2013, 3, 3667.	3.6	19
483	Updating a generic screening approach in sub- or supercritical fluid chromatography for the enantioresolution of pharmaceuticals. Journal of Supercritical Fluids, 2013, 80, 50-59.	3.2	29
485	Understanding Hydrocarbon Adsorption in the UiO-66 Metal-Organic Framework: Separation of (Un)saturated Linear, Branched, Cyclic Adsorbates, Including Stereoisomers. Journal of Physical Chemistry C, 2013, 117, 12567-12578.	3.1	69
486	Synthesis of Helical Poly(phenylacetylene)s with Amide Linkage Bearing α -Phenylalanine and α -Phenylglycine Ethyl Ester Pendants and Their Applications as Chiral Stationary Phases for HPLC. Macromolecules, 2013, 46, 8406-8415.	4.8	96
487	Adsorption of Polar Enantiomers in Achiral Zeolites. Journal of Physical Chemistry C, 2013, 117, 1524-1530.	3.1	12
488	Differentiation of Enantiomers II. Topics in Current Chemistry, 2013, , .	4.0	14
489	Inclusion Phenomena between the β -Cyclodextrin Chiral Selector and Trp-D,L, and Its Use on the Assembly of Solid Membranes. Journal of Nanomaterials, 2013, 2013, 1-8.	2.7	2
490	Comparative HPLC Enantioseparation of Thirty-Six Aromatic Compounds on Four Columns of the Lux [®] Series: Impact of Substituents, Shapes and Electronic Properties. Chirality, 2013, 25, 709-718.	2.6	19
491	Study of enantioselectivity on an immobilized amylose carbamate stationary phase under subcritical fluid chromatography. Journal of Separation Science, 2013, 36, 3941-3948.	2.5	12
492	Optimization of the HPLC enantioseparation of 3,5-dibromo-5,5-disubstituted-4,4-bipyridines using immobilized polysaccharide-based chiral stationary phases. Journal of Separation Science, 2013, 36, 2993-3003.	2.5	19
493	CTA III: A Third Polymorph of Cellulose Triacetate. Journal of Carbohydrate Chemistry, 2013, 32, 120-138.	1.1	17
494	Enantioselective liquid-liquid extraction of (D,L)-Valine using metal-BINAP complex as chiral extractant. Journal of Chemical Technology and Biotechnology, 2013, 88, 1920-1929.	3.2	12
495	Synthesis and Evaluation of Two Coumarin-Type Derivatization Reagents for Fluorescence Detection of Chiral Amines and Chiral Carboxylic Acids. Chirality, 2013, 25, 957-964.	2.6	8
496	Enantiomeric Separation of Racemic 4-Aryl-1,4-dihydropyridines and 4-Aryl-1,2,3,4-tetrahydropyrimidines on a Chiral Tetraproline Stationary Phase. Chirality, 2013, 25, 238-242.	2.6	2
497	Innovative software solution for special data evaluation in mass spectrometry. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
498	Enantiomeric Differentiation by Synthetic Helical Polymers. Topics in Current Chemistry, 2013, 340, 41-72.	4.0	22
501	pH- and Thermo-Induced Specific Permeability of Chiral Amino Acids through the Peptide Grafted Poly(<i>N</i> -isopropylamide) Network Membrane. Journal of Fiber Science and Technology, 2013, 69, 245-250.	0.0	1
502	Preparation and Characterization TiO ₂ Microspheres for the Liquid Chromatography Stationary Phase. Journal of Chromatography & Separation Techniques, 2014, 05, .	0.2	0
503	Fumaric acid production by <i>Rhizopus oryzae</i> and its facilitated extraction via organic liquid membrane. African Journal of Biotechnology, 2014, 13, 1182-1187.	0.6	3
504	Enantioresolution of Chiral Derivatives of Xanthenes on Different Types of Liquid Chromatography Stationary Phases: A Comparative Study. Current Chromatography, 2014, 1, 139-150.	0.3	4
506	New approach for chiral separation: from polysaccharide-based materials to chirality-responsive polymers. Science China Chemistry, 2014, 57, 1492-1506.	8.2	16
507	Estimation of Enantiomeric Impurity in Piperidine- β -Amine by Chiral HPLC With Precolumn Derivatization. Chirality, 2014, 26, 775-779.	2.6	4
508	Chirality-Driven Wettability Switching and Mass Transfer. Angewandte Chemie - International Edition, 2014, 53, 930-932.	13.8	39
510	Synthesis of polysaccharide derivatives bearing bromobenzoate pendants for use as chiral auxiliaries. Reactive and Functional Polymers, 2014, 82, 52-57.	4.1	8
511	Chiral Lanthanide Metal-Organic Frameworks. Structure and Bonding, 2014, , 29-74.	1.0	7
512	Selective Enantioseparation of Racemic Amlodipine by Biphasic Recognition Chiral Separation System. Separation Science and Technology, 2014, 49, 1357-1365.	2.5	7
513	Liquid-Phase Enantioselective Chromatographic Resolution Using Interpenetrated, Homochiral Framework Materials. Chemistry - A European Journal, 2014, 20, 11308-11312.	3.3	40
514	Alanine-derivatized γ -cyclodextrin bonded silica: structure and adsorption selectivity. Journal of Chemical Technology and Biotechnology, 2014, 89, 1360-1369.	3.2	4
515	A chiral separation strategy for acidic drugs in capillary electrochromatography using both chlorinated and nonchlorinated polysaccharide-based selectors. Electrophoresis, 2014, 35, 2807-2818.	2.4	16
516	Enantioseparation of racemic mandelic acid by simulated moving bed chromatography using Chiralcel-OD column. Canadian Journal of Chemical Engineering, 2014, 92, 1283-1292.	1.7	3
518	Chiral chromatographic resolution of antiepileptic drugs and their metabolites: a challenge from the optimization to the application. Biomedical Chromatography, 2014, 28, 27-58.	1.7	33
519	On the method development of immobilized polysaccharide chiral stationary phases in supercritical fluid chromatography using an extended range of modifiers. Journal of Chromatography A, 2014, 1374, 238-246.	3.7	33
520	Biphasic Enantioselective Partitioning of <i>R</i> , <i>S</i> -Omeprazole Enantiomers Using Chiral Extraction. Advanced Materials Research, 2014, 1030-1032, 2334-2339.	0.3	1

#	ARTICLE	IF	CITATIONS
521	Novel carbamoyl type quinine and quinidine based chiral anion exchangers implementing alkyne-azide cycloaddition immobilization chemistry. <i>Journal of Chromatography A</i> , 2014, 1337, 85-94.	3.7	27
522	Processes To Separate Enantiomers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1218-1250.	13.8	384
523	Enantiomerization and Enantioselective Bioaccumulation of Metalaxyl in <i>Tenebrio molitor</i> Larvae. <i>Chirality</i> , 2014, 26, 88-94.	2.6	18
524	Enantioselective recognition at mesoporous chiral metal surfaces. <i>Nature Communications</i> , 2014, 5, 3325.	12.8	126
525	Enantioselective hydrolysis of 3-hydroxy-1,4-benzodiazepin-2-one esters by pig liver microsomes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 102, 66-71.	1.8	4
526	Process Development of Enantioselective Extraction in Miniaturized Lab Columns. <i>Chemie-Ingenieur-Technik</i> , 2014, 86, 621-629.	0.8	7
528	Development and validation of a capillary electrophoresis method for determination of enantiomeric purity and related substances of esomeprazole in raw material and pellets. <i>Electrophoresis</i> , 2014, 35, 804-810.	2.4	20
529	Complexation and transport of amino acid esters and their salts with synthesised chiral novel aza crown ether derivatives. <i>Supramolecular Chemistry</i> , 2014, 26, 363-372.	1.2	2
530	Recent developments in chiral analysis of β -blocker drugs by capillary electromigration techniques. <i>Electrophoresis</i> , 2014, 35, 3345-3354.	2.4	11
531	A Novel Dimeric BINOL for Enantioselective Recognition of 1,2-Amino Alcohols. <i>Chinese Journal of Chemistry</i> , 2014, 32, 1157-1160.	4.9	2
532	Methods for separation of organic and pharmaceutical compounds by different polymer materials. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 2109-2123.	2.7	26
533	Chiral sensing of Eu(III)-containing achiral polymer complex from chiral amino acids coordination induction. <i>Journal of Polymer Science Part A</i> , 2014, 52, 3080-3086.	2.3	13
534	Solid-phase synthesis and analysis of 3,6-dihydro-2H-1,2-oxazines in their stereo- and regioisomer mixtures. <i>New Journal of Chemistry</i> , 2014, 38, 5491-5499.	2.8	11
535	Enantioselective metabolism of the chiral herbicide diclofop-methyl and diclofop by HPLC in loach (<i>Misgurnus anguillicaudatus</i>) liver microsomes in vitro. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 969, 132-138.	2.3	13
536	Enantioseparation of pyroglutamide derivatives on polysaccharide based chiral stationary phases by high-performance liquid chromatography and supercritical fluid chromatography: A comparative study. <i>Journal of Chromatography A</i> , 2014, 1363, 257-269.	3.7	19
537	Separation and enrichment of enantiopure from racemic compounds using magnetic levitation. <i>Chemical Communications</i> , 2014, 50, 7548-7551.	4.1	23
538	Experimental and Model Study on Enantioselective Reactive Extraction of 2-chlorophenylglycine Enantiomers with BINAP-Metal Complexes. <i>Separation Science and Technology</i> , 2014, 49, 137-145.	2.5	3
539	Enantioseparation of Phenylsuccinic Acid Enantiomers Using Aqueous Two-Phase Flotation and Their Determination by HPLC and UV Detection. <i>Chromatographia</i> , 2014, 77, 679-685.	1.3	7

#	ARTICLE	IF	CITATIONS
540	Development of an enantioselective membrane from cellulose acetate propionate/cellulose acetate, for the separation of trans-stilbene oxide. Cellulose, 2014, 21, 1987-1995.	4.9	16
541	Kinetics of enantioselective liquid-liquid extraction of phenylglycine enantiomers using a BINAP-copper complex as chiral selector. Chemical Papers, 2014, 68, .	2.2	2
542	Toward enantioselective nano ultrahigh-performance liquid chromatography with Whelk-O1 chiral stationary phase. Electrophoresis, 2014, 35, 2819-2823.	2.4	11
543	Enantioselective high performance liquid chromatography and supercritical fluid chromatography separation of spirocyclic terpenoid flavor compounds. Journal of Chromatography A, 2014, 1363, 270-277.	3.7	20
544	Enantiomeric separation of sitagliptin by a validated chiral liquid chromatographic method. Analytical Methods, 2014, 6, 223-228.	2.7	9
545	Determination of the absolute configuration and identity of chiral carboxylic acids using a Cu(II) complex of pyridine-benzimidazole-based ligand. Tetrahedron Letters, 2014, 55, 2097-2100.	1.4	8
546	Chiral effects in amino acid adsorption on Au(111): A comparison of cysteine, homocysteine and methionine. Surface Science, 2014, 629, 20-27.	1.9	17
547	Membrane separation processes: Optical resolution of lysine and asparagine amino acids. Desalination, 2014, 343, 75-81.	8.2	39
548	Ligand-receptor binding increments in enantioselective liquid chromatography. Journal of Chromatography A, 2014, 1363, 79-88.	3.7	4
549	Potential of vancomycin for the enantiomeric resolution of FMOCAmino acids by capillary electrophoresis-ion-trap-mass spectrometry. Electrophoresis, 2014, 35, 1244-1250.	2.4	41
550	Thin-layer chromatographic enantioseparation of ofloxacin and zopiclone using hydroxy-propyl-beta-cyclodextrin as chiral selector and thermodynamic studies of complexation. Journal of Planar Chromatography - Modern TLC, 2014, 27, 166-173.	1.2	4
551	Specific Permeability of Chiral Amino Acids through the Peptide Grafted Poly (<i>N</i>-isopropylacrylamide) Crosslinked Membranes. Transactions of the Materials Research Society of Japan, 2014, 39, 317-320.	0.2	0
554	Attrition-Enhanced Deracemization of NaClO ₃ : Comparison between Ultrasonic and Abrasive Grinding. Crystal Growth and Design, 2015, 15, 5476-5484.	3.0	43
555	Enantioseparation on Riboflavin Derivatives Chemically Bonded to Silica Gel as Chiral Stationary Phases for HPLC. Chirality, 2015, 27, 507-517.	2.6	9
556	Stereoselective Behavior of Nafion® Membranes towards (+)-Pinene and (-)-Pinene. Chemical Engineering and Technology, 2015, 38, 1617-1624.	1.5	1
557	Chiral Separation of 3,5-Dinitrobenzoyl-(<i>R</i>,<i>S</i>)-Leucine in Process Intensified Extraction Columns. Industrial & Engineering Chemistry Research, 2015, 54, 8266-8276.	3.7	37
558	Biphasic recognition enantioseparation of ofloxacin enantiomers by an aqueous two-phase system. Journal of Chemical Technology and Biotechnology, 2015, 90, 2234-2239.	3.2	9
559	Synthesis and chiral recognition of helical poly(phenylacetylene)s bearing phenylglycinol and its phenylcarbamates as pendants. Journal of Polymer Science Part A, 2015, 53, 809-821.	2.3	21

#	ARTICLE	IF	CITATIONS
560	Imprinting Chirality in Mesoporous Silica Structures. , 0, , .		1
561	Process Development for Liquid-Phase Simulated Moving Bed Separations. , 2015, , 87-115.		0
562	Efficient enantioseparation of phenylsuccinic acid enantiomers by aqueous two-phase system-based biphasic recognition chiral extraction: Phase behaviors and distribution experiments. Process Biochemistry, 2015, 50, 1468-1478.	3.7	22
563	Surface Stiffnessâ€”a Parameter for Sensing the Chirality of Saccharides. ACS Applied Materials & Interfaces, 2015, 7, 27223-27233.	8.0	19
564	Chiral Recognition of Tyrosine Enantiomers Based on Decreased Resonance Scattering Signals With Silver Nanoparticles as Optical Sensor. Chirality, 2015, 27, 194-198.	2.6	7
565	Suspended crystalline films of protein hydrophobin I (HFBI). Journal of Colloid and Interface Science, 2015, 447, 107-112.	9.4	6
566	Monolithic silica columns with covalently attached octapropylene chiral selector. Dependence of performance on derivatization degree and comparison with a bead-based analogue. Journal of Chromatography A, 2015, 1384, 124-132.	3.7	7
567	Expanding the potential of chiral chromatography for high-throughput screening of large compound libraries by means of subâ€”2 1/4 m Whelk-O 1 stationary phase in supercritical fluid conditions. Journal of Chromatography A, 2015, 1383, 160-168.	3.7	48
568	Enantioseparation of chiral aromatic acids in process intensified liquidâ€”liquid extraction columns. AIChE Journal, 2015, 61, 266-276.	3.6	44
569	Lanthanide Metal-Organic Frameworks. Structure and Bonding, 2015, , .	1.0	33
570	Vortex flows impart chirality-specific lift forces. Nature Communications, 2015, 6, 5640.	12.8	36
571	Enantioseparation of phenylsuccinic acid enantiomers based on aqueous two-phase system with ethanol/ammonium sulfate: phase diagrams optimization and partitioning experiments. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2015, 81, 475-484.	1.6	12
572	Cu ²⁺ functionalized N-acetyl-L-cysteine capped CdTe quantum dots as a novel resonance Rayleigh scattering probe for the recognition of phenylalanine enantiomers. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 591-597.	3.9	10
573	Diastereomeric liquid crystal domains at the mesoscale. Nature Communications, 2015, 6, 7763.	12.8	33
574	Preparation and chiral recognition of thermosensitive poly(N-isopropylacrylamide) microgels containing modified L-phenylalanine groups. Chemical Research in Chinese Universities, 2015, 31, 664-668.	2.6	1
575	Regioisomeric and enantiomeric analyses of 24 designer cathinones and phenethylamines using ultra high performance liquid chromatography and capillary electrophoresis with added cyclodextrins. Forensic Science International, 2015, 254, 148-157.	2.2	42
576	Chiral imprinting in molten gallium. New Journal of Chemistry, 2015, 39, 2690-2696.	2.8	20
577	Copper(II) complexes with N -substituted aspartic acids: A new one-pot synthesis method via in situ Michael addition of amines to fumaric acid. Inorganica Chimica Acta, 2015, 430, 280-287.	2.4	5

#	ARTICLE	IF	CITATIONS
578	A computational strategy for altering an enzyme in its cofactor preference to <scp>NAD</scp>(H) and/or <scp>NADP</scp>(H). FEBS Journal, 2015, 282, 2339-2351.	4.7	23
579	Structure and Chirality in Sulfur-Containing Amino Acids Adsorbed on Au(111) Surfaces. Journal of Physical Chemistry C, 2015, 119, 9829-9838.	3.1	14
580	Chiral separation of phenyllactic acid by helical structure from spring dextrin. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2015, 82, 515-521.	1.6	4
581	Modeling and Optimizing the Biphasic Enantioselective Partitioning of 2-Fluoro-phenylalanine Enantiomers with BINAPâ€Metal Complexes as Chiral Selector. Journal of Solution Chemistry, 2015, 44, 112-130.	1.2	9
582	Colorimetric enantiodiscrimination of mandelic acid by indicator displacement assay. Chinese Chemical Letters, 2015, 26, 1019-1021.	9.0	1
583	Chiral liquid membrane for enantioselective separation of racemic ibuprofen by <scp>l</scp>-tartaric acid derivatives. RSC Advances, 2015, 5, 41729-41735.	3.6	14
584	Supercritical fluid chromatography in pharmaceutical analysis. Journal of Pharmaceutical and Biomedical Analysis, 2015, 113, 56-71.	2.8	197
585	Effect of the solvent on improving the recognition properties of surface molecularly imprinted polymers for precise separation of erythromycin. RSC Advances, 2015, 5, 83619-83627.	3.6	6
586	Optical recognition of alkyl nitrile by a homochiral iron(<scp>ii</scp>) spin crossover host. CrystEngComm, 2015, 17, 7956-7963.	2.6	17
587	Chiral polymeric nanoparticles for aldol reaction. Reactive and Functional Polymers, 2015, 96, 1-4.	4.1	10
588	Selector Screening for Enantioseparation of <scp>dl</scp>-â€Methyl Phenylglycine Amide by Liquidâ€Liquid Extraction. Chirality, 2015, 27, 123-130.	2.6	13
589	Synthesis of chiral porous coordination polymer that shows structural transformation induced by guest molecules. Inorganica Chimica Acta, 2015, 424, 221-225.	2.4	3
590	Immobilized Î²-cyclodextrin-based silica vs polymer monoliths for chiral nano liquid chromatographic separation of racemates. Talanta, 2015, 132, 301-314.	5.5	43
591	Molecularly imprinted polymer based enantioselective sensing devices: A review. Analytica Chimica Acta, 2015, 853, 1-18.	5.4	128
592	Surface-site reactivity in small-molecule adsorption: A theoretical study of thiol binding on multi-coordinated gold clusters. Beilstein Journal of Nanotechnology, 2016, 7, 53-61.	2.8	14
593	The Reciprocal Principle of Selectand-Selector-Systems in Supramolecular Chromatography â€. Molecules, 2016, 21, 1535.	3.8	19
594	Direct Separation of Pregabalin Enantiomers Using a Zwitterionic Chiral Selector by High Performance Liquid Chromatography Coupled to Mass Spectrometry and Ultraviolet Detection. Molecules, 2016, 21, 1578.	3.8	13
595	Enantiomeric Separations of Pyriproxyfen and its Six Chiral Metabolites by Highâ€Performance Liquid Chromatography. Chirality, 2016, 28, 245-252.	2.6	8

#	ARTICLE	IF	CITATIONS
596	Charge-Transfer-Induced Enantiomer Selective Discrimination of Chiral Alcohols by SERS. Journal of Physical Chemistry C, 2016, 120, 29374-29381.	3.1	28
597	Chiral Separation by Flows: The Role of Flow Symmetry and Dimensionality. Scientific Reports, 2016, 6, 35144.	3.3	10
598	Enantioselective Nanoporous Carbon Based on Chiral Ionic Liquids. Angewandte Chemie - International Edition, 2016, 55, 408-412.	13.8	47
599	Study on enantioseparation of \pm -cyclopentyl-mandelic acid enantiomers using continuous liquid-liquid extraction in centrifugal contactor separators: Experiments and modeling. Chemical Engineering and Processing: Process Intensification, 2016, 107, 168-176.	3.6	13
600	Encapsulation. , 2016, , 703-704.		1
601	Ethanol-Water Mixtures: Separation by Pervaporation. , 2016, , 723-727.		0
602	Ceramic Membrane for Pervaporation. , 2016, , 352-354.		0
603	Ceramic Supported Polymer Composite Membranes in Pervaporation. , 2016, , 357-358.		0
605	Electrospun Nanofiber Membrane for Biosensors. , 2016, , 660-663.		0
606	Development and Validation of Chiral HPLC Method for Quantification of 3-(S)-Quinuclidinol in Pharmaceutically Important Precursor, 3-(R)-Quinuclidinol, by Precolumn Derivatization. Journal of Chromatographic Science, 2016, 54, 1800-1805.	1.4	1
607	Discrimination of enantiomers of dipeptide derivatives with two chiral centers by tetraaza macrocyclic chiral solvating agents using ^1H NMR spectroscopy. Organic Chemistry Frontiers, 2016, 3, 1716-1724.	4.5	18
608	Computational Fluid Dynamics (CFD) and Membranes. , 2016, , 436-436.		0
609	Enantioseparation of racemic aminoglutethimide using asynchronous simulated moving bed chromatography. Journal of Chromatography A, 2016, 1467, 347-355.	3.7	16
610	Enantioseparations in open-tubular capillary electrochromatography: Recent advances and applications. Journal of Chromatography A, 2016, 1467, 145-154.	3.7	43
611	A fluorescent molecularly imprinted polymer sensor synthesized by atom transfer radical precipitation polymerization for determination of ultra trace fenvalerate in the environment. RSC Advances, 2016, 6, 81346-81353.	3.6	13
612	Cadmium Rejection by NF. , 2016, , 285-285.		0
613	Encapsulation Efficiency. , 2016, , 706-707.		15
614	Ease of Expansion in Gas Separation. , 2016, , 623-623.		0

#	ARTICLE	IF	CITATIONS
615	Ultrafast capillary electrophoresis/mass spectrometry of controlled substances with optical isomer separation in about a minute. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2070-2076.	1.5	16
616	Simple Isocratic HPLC Method for Determination of Enantiomeric Impurity in Besifloxacin Hydrochloride. <i>Chirality</i> , 2016, 28, 628-632.	2.6	5
617	Beyond the Alternatives that Switch the Mechanism of the 1,3-Dipolar CyCloadditions from Concerted to Stepwise or Vice Versa: A Literature Review. <i>Progress in Reaction Kinetics and Mechanism</i> , 2016, 41, 331-344.	2.1	18
618	Electromembrane Processes. , 2016, , 647-649.		0
619	Chemical Industry and Membrane Operations. , 2016, , 386-387.		0
620	Cell Culture. , 2016, , 336-338.		0
621	Ethanol Production by Continuous Fermentation-Pervaporation. , 2016, , 721-722.		0
622	Co-sintering Method for Ceramic Membrane Preparation. , 2016, , 473-474.		1
623	Electro-Fenton Process. , 2016, , 642-643.		3
624	Cross-Linked Polyamide Membranes. , 2016, , 487-488.		0
625	Cyclodextrins. , 2016, , 507-508.		1
626	A study of the enantiospecific degradation of ibuprofen in model aqueous samples using LLME-HPLC-DAD. <i>Analytical Methods</i> , 2016, 8, 7789-7799.	2.7	7
627	Electrodialysis. , 2016, , 632-633.		1
628	Asymmetric synthesis using chiral-encoded metal. <i>Nature Communications</i> , 2016, 7, 12678.	12.8	90
629	Electrofiltration. , 2016, , 643-644.		0
630	Synthesis and applications of sulfopropyl ether β -cyclodextrin polymer as chiral selector in capillary electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3639-3649.	3.7	5
631	Calculation of binding affinities for linear alcohols to β -cyclodextrin by twin-system enveloping distribution sampling simulations. <i>Fluid Phase Equilibria</i> , 2016, 422, 1-17.	2.5	16
632	Interactions between pyrazole derived enantiomers and Chiralcel OJ: Prediction of enantiomer absolute configurations and elution order by molecular dynamics simulations. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 66, 123-132.	2.4	17

#	ARTICLE	IF	CITATIONS
633	Enantiopure Chiral Concave 1,10â€Phenanthrolines. European Journal of Organic Chemistry, 2016, 2016, 1119-1131.	2.4	4
634	Electrospinning of magnetic cellulose trisâ€(4â€methylbenzoate) microparticles for enantioselective adsorption of racemic drug. Electrophoresis, 2016, 37, 2050-2053.	2.4	7
635	The Effect of Position Replacement of Functional Groups on the Stepwise character of 1,3â€Dipolar Reaction of a Nitrile Oxide and an Alkene. Helvetica Chimica Acta, 2016, 99, 273-280.	1.6	17
636	Manipulating the twist sense of helical nanofilaments of bent-core liquid crystals using rod-shaped, chiral mesogenic dopants. Liquid Crystals, 2016, 43, 1083-1091.	2.2	6
638	Separation of Stereoisomeric Mixtures of Nafronyl as a Representative of Compounds Possessing Two Stereogenic Centers By Coupling Crystallization, Diastereoisomeric Conversion and Chromatography. Organic Process Research and Development, 2016, 20, 615-625.	2.7	7
639	Enantioselective degradation and chiral stability of the herbicide fluazifop-butyl in soil and water. Chemosphere, 2016, 146, 315-322.	8.2	35
640	Optimization study on continuous separation of equol enantiomers using enantioselective liquidâ€liquid extraction in centrifugal contactor separators. Process Biochemistry, 2016, 51, 113-123.	3.7	8
641	Macrocyclic Î²-cyclodextrin derivative-based aqueous-two phase systems: Phase behaviors and applications in enantioseparation. Chemical Engineering Science, 2016, 143, 1-11.	3.8	13
642	Efficient Separation of Enantiomers Using Stereoregular Chiral Polymers. Chemical Reviews, 2016, 116, 1094-1138.	47.7	560
643	Rapid chiral separation of racemic cetirizine in human plasma using subcritical fluid chromatography-tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2016, 117, 380-389.	2.8	20
644	Bio-inspired enantioseparation for chiral compounds. Chinese Journal of Chemical Engineering, 2016, 24, 31-38.	3.5	9
645	Quinine bonded to superficially porous particles for high-efficiency and ultrafast liquid and supercritical fluid chromatography. Analytica Chimica Acta, 2017, 963, 164-174.	5.4	58
646	Chirality Differentiation by Diffusion in Chiral Nematic Liquid Crystals. Physical Review Applied, 2017, 7, .	3.8	9
647	Ordered mesoporous silica functionalized with Î²-cyclodextrin derivative for stereoisomer separation of flavanones and flavanone glycosides by nano-liquid chromatography and capillary electrochromatography. Journal of Chromatography A, 2017, 1490, 166-176.	3.7	39
648	A Homochiral {Co^{Î™Î™}₁₆Co^{Î™Î™Î™}₄} Supertetrahedral <i>T</i>₄ Cluster from a Racemic Ligand with Ferromagnetic Behavior and High Photocatalytic Activity. Chemistry - A European Journal, 2017, 23, 8025-8031.	3.3	17
649	Enantiomerically enriched, polycrystalline molecular sieves. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5101-5106.	7.1	109
650	Surface-anchored counterions on weak chiral anion-exchangers accelerate separations and improve their compatibility for mass-spectrometry-hyphenation. Journal of Chromatography A, 2017, 1503, 21-31.	3.7	15
651	Model-Based Analysis of Continuous Crystallization/Reaction Processes Separating Conglomerate Forming Enantiomers. Crystal Growth and Design, 2017, 17, 233-247.	3.0	37

#	ARTICLE	IF	CITATIONS
652	Documenting and harnessing the biological potential of molecules in Distributed Drug Discovery (D3) virtual catalogs. <i>Chemical Biology and Drug Design</i> , 2017, 90, 909-918.	3.2	6
653	Timeâ€‘frequency approach in the cluster assignment of amino acids based on their NMR profiles. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 2221-2228.	2.2	2
654	Homochiral Metalâ€‘Organic Frameworks with Tunable Nanoscale Channel Array and Their Enantioseparation Performance against Chiral Diols. <i>Inorganic Chemistry</i> , 2017, 56, 6275-6280.	4.0	39
655	Directed motion of a Brownian motor in a temperature gradient. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 053214.	2.3	1
656	Chromatographic Enantioseparation of Ten Amino Acid Amide Derivatives on Three Polysaccharide-Based Chiral Stationary Phases. <i>Chromatographia</i> , 2017, 80, 1171-1177.	1.3	9
657	Evaluation of the chiral recognition properties and the column performances of three chiral stationary phases based on cellulose for the enantioseparation of six dihydropyridines by highâ€‘performance liquid chromatography. <i>Chirality</i> , 2017, 29, 147-154.	2.6	17
658	Approaches for multi-gram scale isolation of enantiomers for drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2017, 12, 1253-1269.	5.0	20
659	Influence of solvent polarity on the separation of leucine enantiomers by Î²-cyclodextrin: a molecular mechanics and dynamics simulation. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 1414-1422.	1.8	9
660	Enantioselective determination of (R)-zopiclone and (S)-zopiclone (eszopiclone) in human hair by micropulverized extraction and chiral liquid chromatography/high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1519, 55-63.	3.7	9
661	Synthesis and evaluation of pseudopeptide chiral stationary phases for enantioselective resolution. <i>Journal of Chromatography A</i> , 2017, 1521, 53-62.	3.7	5
662	Î³-Cyclodextrin metalâ€‘organic framework for efficient separation of chiral aromatic alcohols. <i>RSC Advances</i> , 2017, 7, 36297-36301.	3.6	39
663	Highly efficient enantioselective liquidâ€‘liquid extraction of 1,2-amino-alcohols using SPINOL based phosphoric acid hosts. <i>Chemical Science</i> , 2017, 8, 6409-6418.	7.4	17
664	Enantiomerization and stereoselectivity in bioaccumulation of furalaxyl in <i>Tenebrio molitor</i> larvae. <i>Ecotoxicology and Environmental Safety</i> , 2017, 145, 244-249.	6.0	9
665	Comparison of three Sâ€‘CDs with different degrees of substitution for the chiral separation of 12 drugs in capillary electrophoresis. <i>Chirality</i> , 2017, 29, 558-565.	2.6	10
666	Enantioselective Recognition of Proline Enantiomers Using Sulfhydryl-modified Self-assembled Gold Electrodes. <i>Analytical Letters</i> , 2017, 50, 2246-2256.	1.8	3
667	Heart-cut achiral-chiral LC-LC method development using factorial design: application to the chiral separation of ketoprofen. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1135-1144.	3.7	3
668	Selectivity control in one-pot myrtenol amination over Au/ZrO ₂ by molecular hydrogen addition. <i>Journal of Molecular Catalysis A</i> , 2017, 426, 60-67.	4.8	12
669	Kinetic study on reactive extraction of metoprolol enantiomers with cyclohexyl (D)-tartrate and boric acid as combined chiral selector. <i>Process Biochemistry</i> , 2017, 52, 276-282.	3.7	3

#	ARTICLE	IF	CITATIONS
670	Pulsed electroconversion for highly selective enantiomer synthesis. Nature Communications, 2017, 8, 2087.	12.8	44
671	Enantioseparation of Phenylsuccinic Acid Enantiomers by Solvent Sublation with Collaborative Selectors. Journal of Solution Chemistry, 2017, 46, 2159-2170.	1.2	4
672	Molecular Simulations of Thermodynamic Properties for the System α -Cyclodextrin/Alcohol in Aqueous Solution. Chemie-Ingenieur-Technik, 2017, 89, 1306-1314.	0.8	8
673	Chiral Stationary Phases for Liquid Chromatography Based on Chitin- and Chitosan-Derived Marine Polysaccharides. Symmetry, 2017, 9, 190.	2.2	35
674	Chiral Separation in Preparative Scale: A Brief Overview of Membranes as Tools for Enantiomeric Separation. Symmetry, 2017, 9, 206.	2.2	54
675	Quantitative determination of free D-Asp, L-Asp and N-methyl-D-aspartate in mouse brain tissues by chiral separation and Multiple Reaction Monitoring tandem mass spectrometry. PLoS ONE, 2017, 12, e0179748.	2.5	13
676	Liquid chromatographic separation of enantiomers. , 2017, , 69-86.		3
677	A Comparative Study of Coupled Preferential Crystallizers for the Efficient Resolution of Conglomerate-Forming Enantiomers. Pharmaceutics, 2017, 9, 55.	4.5	13
678	Separation and quantitation of eight isomers in a molecule with three stereogenic centers by normal phase liquid chromatography. Journal of Chromatography A, 2018, 1538, 108-111.	3.7	10
679	Optical Activity of Homochiral Polyamides in Solution and Solid State: Structural Function for Chiral Induction. ACS Omega, 2018, 3, 2463-2469.	3.5	3
680	Enantioselective separation of <i>RS</i> -mandelic acid using β -cyclodextrin modified $\text{Fe}_3\text{O}_4/\text{SiO}_2/\text{Au}$ microspheres. Analyst, The, 2018, 143, 2665-2673.	3.5	21
681	Enantiomeric impurity analysis using circular dichroism spectroscopy with United States Pharmacopeia liquid chromatographic methods. Journal of Pharmaceutical and Biomedical Analysis, 2018, 156, 366-371.	2.8	11
682	Optimization of the surface modification process of cross-linked polythiol-coated chiral stationary phases synthesized by a two-step thiol-ene click reaction. Journal of Separation Science, 2018, 41, 1338-1345.	2.5	8
683	Enantioseparation of Substituted 1, 3-Diazaspiro [4.5]Decan-4-Ones: HPLC Comparative Study on Different Polysaccharide Type Chiral Stationary Phases. Journal of Chromatographic Science, 2018, 56, 160-165.	1.4	7
684	Applications of ultrasound to chiral crystallization, resolution and deracemization. Ultrasonics Sonochemistry, 2018, 43, 184-192.	8.2	32
685	Synthesis and evaluation of enantio-selective L-histidine imprinted salicylic acid functionalized resin. Reactive and Functional Polymers, 2018, 128, 104-113.	4.1	9
686	Chiral Recognition of Racemic Proline based on Chiral Macrocyclic Nickel(II) Complex: Synthesis and Crystal Structures. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 449-453.	1.2	1
687	Complementary enantioselectivity profiles of chiral cinchonan carbamate selectors with distinct carbamate residues and their implementation in enantioselective two-dimensional high-performance liquid chromatography of amino acids. Journal of Chromatography A, 2018, 1558, 29-36.	3.7	15

#	ARTICLE	IF	CITATIONS
688	Infrared emissivity property study and conformational analysis of helical polysilane. Journal of Applied Polymer Science, 2018, 135, 46335.	2.6	3
689	Enantioseparation of phenothiazines through capillary electrophoresis with solid phase extraction and polymer based stacking. Journal of Food and Drug Analysis, 2018, 26, 1171-1179.	1.9	17
690	A Pt and Pd bimetal nanowire based stereoselective sensor for the discrimination of ascorbic acid and isoascorbic acid. Analytical Methods, 2018, 10, 1703-1708.	2.7	4
691	Chiral Stationary Phases Based on Small Molecules: An Update of the Last 17 Years. Separation and Purification Reviews, 2018, 47, 89-123.	5.5	46
692	The market of chiral drugs: Chiral switches versus de novo enantiomerically pure compounds. Journal of Pharmaceutical and Biomedical Analysis, 2018, 147, 323-340.	2.8	328
693	Chiral separation using chiral crown ethers as chiral selectors in chirotechnology. Journal of Pharmaceutical Investigation, 2018, 48, 225-231.	5.3	19
694	Highly Efficient and Robust Enantioselective Liquid-Liquid Extraction of 1,2-Amino Alcohols utilizing VAPOL- and VANOL- based Phosphoric Acid Hosts. ChemSusChem, 2018, 11, 178-184.	6.8	6
695	Enantioseparation with liquid membranes. Journal of Chemical Technology and Biotechnology, 2018, 93, 629-644.	3.2	24
696	Applications of 2, 2, 2 trifluoroethanol as a versatile co-solvent in supercritical fluid chromatography for purification of unstable boronate esters, enhancing throughput, reducing epimerization, and for additive free purifications. Journal of Chromatography A, 2018, 1531, 122-130.	3.7	3
697	Molecular insights into inclusion complexes of mansonone E and H enantiomers with various β -cyclodextrins. Journal of Molecular Graphics and Modelling, 2018, 79, 72-80.	2.4	21
698	A chiral enantioseparation generic strategy for anti-Alzheimer and antifungal drugs by short end injection capillary electrophoresis using an experimental design approach. Chirality, 2018, 30, 165-176.	2.6	22
699	Aqueous Biphasic Systems Using Chiral Ionic Liquids for the Enantioseparation of Mandelic Acid Enantiomers. Solvent Extraction and Ion Exchange, 2018, 36, 617-631.	2.0	20
700	Development and Validation of a Chiral HPLC Method for Quantitative Analysis of Enantiomeric Escitalopram. Dhaka University Journal of Pharmaceutical Sciences, 2018, 16, 165-172.	0.2	6
701	Chiral Polymers and Polymeric Particles for Enantioselective Crystallization. Israel Journal of Chemistry, 2018, 58, 1330-1337.	2.3	20
702	Ligand-functionalized Pt nanoparticles as asymmetric heterogeneous catalysts: molecular reaction control by ligand-reactant interactions. Catalysis Science and Technology, 2018, 8, 6062-6075.	4.1	19
703	Incorporation of Homochirality into a Zeolitic Imidazolate Framework Membrane for Efficient Chiral Separation. Angewandte Chemie, 2018, 130, 17376-17380.	2.0	36
704	Combination of Enantioselective Preparative Chromatography and Racemization: Experimental Demonstration and Model-Based Process Optimization. Organic Process Research and Development, 2018, 22, 1761-1771.	2.7	12
705	Potential Induced Fine-tuning the Enantioaffinity of Chiral Metal Phases. Angewandte Chemie, 2018, 131, 3509.	2.0	5

#	ARTICLE	IF	CITATIONS
706	Determination of Enantiomeric Excess by Solid-Phase Extraction Using a Chiral Metal-Organic Framework as Sorbent. <i>Molecules</i> , 2018, 23, 2802.	3.8	8
707	Enantiomeric Determination of Omeprazole and Esomeprazole by a Developed and Validated Chiral HPLC Method and Stability Studies by Microthermal Analysis. <i>Dhaka University Journal of Pharmaceutical Sciences</i> , 2018, 16, 221-233.	0.2	2
708	Incorporation of Homochirality into a Zeolitic Imidazolate Framework Membrane for Efficient Chiral Separation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17130-17134.	13.8	113
709	Diastereoselective Ullmann Coupling to Bishelicenes by Surface Topochemistry. <i>Journal of the American Chemical Society</i> , 2018, 140, 15186-15189.	13.7	24
710	Synthesis of Tripeptide Derivatives with Three Stereogenic Centers and Chiral Recognition Probed by Tetraaza Macrocyclic Chiral Solvating Agents Derived from ^d-Phenylalanine and (1<i>S</i>,2<i>S</i>)-(+)-1,2-Diaminocyclohexane via ¹H NMR Spectroscopy. <i>Journal of Organic Chemistry</i> , 2018, 83, 13874-13887.	3.2	17
711	A chiral responsive carbon dotsâ€“gold nanoparticle complex mediated by hydrogen peroxide independent of surface modification with chiral ligands. <i>Nanoscale</i> , 2018, 10, 18606-18612.	5.6	25
712	Isolation of eudesmane type sesquiterpene ketone from <i>Prangos heyndiae</i> H.Duman & M.F.Watson essential oil and mosquitocidal activity of the essential oils. <i>Open Chemistry</i> , 2018, 16, 453-467.	1.9	15
713	Development and Validation of the Chiral Liquid Chromatography Method for Separation of Enantiomeric Impurity in Novel Oxazolidinone Antibacterial Agent WCK 4086. <i>Journal of Chromatographic Science</i> , 2018, 56, 789-793.	1.4	4
714	Liquid Chromatographic Enantioseparation of Some Fluoroquinoline Drugs Using Several Polysaccharide-Based Chiral Stationary Phases. <i>Journal of Chromatographic Science</i> , 2018, 56, 835-845.	1.4	10
715	Î²â€“Cyclodextrin Functionalized Nanoporous Graphene Oxides for Efficient Resolution of Asparagine Enantiomers. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2812-2817.	3.3	15
716	Pseudogymnoascus destructans: Causative Agent of White-Nose Syndrome in Bats Is Inhibited by Safe Volatile Organic Compounds. <i>Journal of Fungi (Basel, Switzerland)</i> , 2018, 4, 48.	3.5	11
717	The Asymmetry is Derived from Mechanical Interlocking of Achiral Axle and Achiral Ring Components â€“Syntheses and Properties of Optically Pure [2]Rotaxanesâ€“. <i>Symmetry</i> , 2018, 10, 20.	2.2	31
718	Zwitterionic codeineâ€“derived methacrylate monoliths for enantioselective capillary electrochromatography of chiral acids and chiral bases. <i>Electrophoresis</i> , 2018, 39, 2558-2565.	2.4	14
719	Enantioselective Separation of Racemic Tryptophan with Sonochemically Prepared Egg Albumin Microspheres. <i>ChemistrySelect</i> , 2018, 3, 4004-4008.	1.5	6
720	Kinetic Study of Chiral Intermolecular Interactions by Moment Analysis Based on Affinity Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2018, 90, 11048-11053.	6.5	8
721	Modelling studies of enantioselective extraction of an amino acid derivative in slug flow capillary microreactors. <i>Chemical Engineering Journal</i> , 2018, 354, 378-392.	12.7	9
722	Mass spectrometry detection of basic drugs in fast chiral analyses with vancomycin stationary phases. <i>Journal of Pharmaceutical Analysis</i> , 2018, 8, 324-332.	5.3	16
723	Resolution Control in a Continuous Preferential Crystallization Process. <i>Organic Process Research and Development</i> , 2019, 23, 2031-2041.	2.7	14

#	ARTICLE	IF	CITATIONS
724	Impacts of Penconazole and Its Enantiomers Exposure on Gut Microbiota and Metabolic Profiles in Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 8303-8311.	5.2	38
725	Interrogation of fractional crystallization behavior of a newly exploited chiral resolution method for racemic 1-(pyridin-2-yl)ethylamine via DFT-D3 calculations of cohesive energy. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2325-2338.	6.0	1
726	Enantiomeric Determination of Carvedilol by a Newly Developed and Validated Chiral HPLC Method. <i>Dhaka University Journal of Pharmaceutical Sciences</i> , 2019, 18, 61-68.	0.2	0
727	Chirality-Dependent Growth of Self-Assembled Diphenylalanine Microtubes. <i>Crystal Growth and Design</i> , 2019, 19, 6414-6421.	3.0	38
728	Enzyme-Decorated Covalent Organic Frameworks as Nanoporous Platforms for Heterogeneous Biocatalysis. <i>Chemistry - A European Journal</i> , 2019, 25, 15863-15870.	3.3	37
729	Separation of guaifenesin enantiomers by simulated moving bed process with four operation modes. <i>Adsorption</i> , 2019, 25, 1227-1240.	3.0	7
730	Investigation of the mechanism of enantioseparation of some drug compounds by considering the mobile phase in HPLC by molecular dynamics simulation. <i>Journal of Molecular Modeling</i> , 2019, 25, 297.	1.8	6
731	Stereoselective supercritical fluidic chromatography - mass spectrometry (SFC-MS) as a fast bioanalytical tool to assess chiral inversion in vivo and in vitro. <i>International Journal of Mass Spectrometry</i> , 2019, 444, 116172.	1.5	10
732	Evaluation of polysaccharide-based chiral stationary phases in modern SFC-MS/MS for enantioselective bioanalysis. <i>Bioanalysis</i> , 2019, 11, 251-266.	1.5	12
733	Sonochemically modified ovalbumin enhances enantioenrichment of some amino acids. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104603.	8.2	7
734	Novel chiral Oxa-bridged Calix[2]arene[2]triazine derivatives as NMR chiral reagents for enantioselective recognition of \pm -racemic carboxylic acids. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2019, 94, 75-83.	1.6	4
735	Three-State Switchable Chiral Stationary Phase Based on Helicity Control of an Optically Active Poly(phenylacetylene) Derivative by Using Metal Cations in the Solid State. <i>Journal of the American Chemical Society</i> , 2019, 141, 8592-8598.	13.7	82
736	Enantioseparations by Gas Chromatography Using Porous Organic Cages as Stationary Phase. <i>Methods in Molecular Biology</i> , 2019, 1985, 45-55.	0.9	2
737	Assessment of the Performance of Solid Phase Extraction Based on Pipette Tip Employing a Hybrid Molecularly Imprinted Polymer as an Adsorbent for Enantioselective Determination of Albendazole Sulfoxide. <i>Journal of Chromatographic Science</i> , 2019, 57, 671-678.	1.4	4
738	Enantiomeric Recognition and Separation by Chiral Nanoparticles. <i>Molecules</i> , 2019, 24, 1007.	3.8	72
739	Study on the Thermal Properties and Enzymatic Degradability of Chiral Polyamide-Imides Films Based on Amino Acids. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 578.	2.5	6
740	Chiral separation of D-arginine with whole cells through an engineered FhuA nanochannel. <i>Chemical Communications</i> , 2019, 55, 5431-5434.	4.1	17
741	Molecular Simulation of the Separation of Isoleucine Enantiomers by β -Cyclodextrin. <i>Molecules</i> , 2019, 24, 1021.	3.8	12

#	ARTICLE	IF	CITATIONS
742	Indirect synchronous fluorescence spectroscopy and direct high-performance thin-layer chromatographic methods for enantioseparation of zopiclone and determination of chiral-switching eszopiclone: Evaluation of thermodynamic quantities of chromatographic separation. <i>Chirality</i> , 2019, 31, 362-374.	2.6	5
743	Immobilized Cellulose-Based Chiralpak IC Chiral Stationary Phase for Enantioseparation of Eight Imidazole Antifungal Drugs in Normal-Phase, Polar Organic Phase and Reversed-Phase Conditions Using High-Performance Liquid Chromatography. <i>Chromatographia</i> , 2019, 82, 649-660.	1.3	13
744	Colistin Sulfate Chiral Stationary Phase for the Enantioselective Separation of Pharmaceuticals Using Organic Polymer Monolithic Capillary Chromatography. <i>Molecules</i> , 2019, 24, 833.	3.8	17
745	Facile synthesis of chiral (right-handed) calcium carbonate with exceptional enantioseparation performance of dibenzoyltartaric acid. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 130-137.	9.4	8
746	The green poly-lysine enantiomers as electron-extraction layers for high performance organic photovoltaics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12572-12579.	5.5	15
747	Helicity induction and memory effect in poly(biphenylacetylene)s bearing various functional groups and their use as switchable chiral stationary phases for HPLC. <i>Polymer Chemistry</i> , 2019, 10, 6260-6268.	3.9	45
748	Amino acid-based ionic liquids as precursors for the synthesis of chiral nanoporous carbons. <i>Nanoscale Advances</i> , 2019, 1, 4981-4988.	4.6	10
749	Enantiomeric separation of prothioconazole and prothioconazole-desthio on chiral stationary phases. <i>Chirality</i> , 2019, 31, 219-229.	2.6	10
750	Chiroptical sensing of amino acids by stereodynamic imprinting into the ZnII-Complex generating a dihedral chirality. <i>Dyes and Pigments</i> , 2019, 164, 227-232.	3.7	1
751	Chiral stationary phase optimized selectivity supercritical fluid chromatography: A strategy for the separation of mixtures of chiral isomers. <i>Journal of Chromatography A</i> , 2019, 1586, 116-127.	3.7	17
752	Potential-Induced Fine-Tuning of the Enantioaffinity of Chiral Metal Phases. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3471-3475.	13.8	35
753	Synthesis and Applications of Functionalized Magnetic Nanomaterials in Enantioseparation. <i>Separation and Purification Reviews</i> , 2019, 48, 14-29.	5.5	23
754	Effect of membrane fouling on chiral separation. <i>Journal of Membrane Science</i> , 2020, 593, 117352.	8.2	24
755	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020, 14, 28-117.	14.6	2,153
756	Detection, identification and determination of chiral pharmaceutical residues in wastewater: Problems and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 122, 115710.	11.4	39
757	Recent advances of application of porous molecular cages for enantioselective recognition and separation. <i>Journal of Separation Science</i> , 2020, 43, 134-149.	2.5	55
758	Development and validation of a chiral LC-MS method for the enantiomeric resolution of (+) and (âˆ’)-medetomidine in equine plasma by using polysaccharide-based chiral stationary phases. <i>Chirality</i> , 2020, 32, 314-323.	2.6	7
759	Molecular Simulation of the Separation of Some Amino Acid Enantiomers by β -Cyclodextrin in Gas-Phase. <i>Frontiers in Chemistry</i> , 2020, 8, 823.	3.6	3

#	ARTICLE	IF	CITATIONS
760	Nanoporous materials for chiral resolution. Coordination Chemistry Reviews, 2020, 425, 213481.	18.8	38
761	Chiral Macroporous MOF Surfaces for Electroassisted Enantioselective Adsorption and Separation. ACS Applied Materials & Interfaces, 2020, 12, 36548-36557.	8.0	36
762	Cyclodextrin-Based Supramolecular Hydrogel as a Selective Chiral Adsorption/Separation Platform for Tryptophan Enantiomers. ACS Applied Polymer Materials, 2020, 2, 5641-5645.	4.4	17
763	Synthesis of Multi Amino Acid Chiral Polymeric Microparticles for Enantioselective Chemistry. Macromolecular Chemistry and Physics, 2020, 221, 2000328.	2.2	7
764	Chiral Resolution of Mandelic Acid through Preferential CocrySTALLization with Nefiracetam. Crystal Growth and Design, 2020, 20, 7979-7988.	3.0	24
765	Enantioselective Crystallization of Chiral Inorganic Crystals of $\mu\text{-Zn}(\text{OH})_2$ with Amino Acids. Angewandte Chemie - International Edition, 2020, 59, 20924-20929.	13.8	14
766	Chiral covalent organic frameworks: design, synthesis and property. Chemical Society Reviews, 2020, 49, 6248-6272.	38.1	211
767	Chiral metal surfaces for enantioselective processes. Nature Materials, 2020, 19, 939-945.	27.5	53
768	Self-Assembly of Supramolecular Architectures by the Effect of Amino Acid Residues of Quaternary Ammonium Pillar[5]arenes. International Journal of Molecular Sciences, 2020, 21, 7206.	4.1	15
769	Non-Absorbing Dielectric Materials for Surface-Enhanced Spectroscopies and Chiral Sensing in the UV. Nanomaterials, 2020, 10, 2078.	4.1	6
770	Enantioselective Crystallization of Chiral Inorganic Crystals of $\mu\text{-Zn}(\text{OH})_2$ with Amino Acids. Angewandte Chemie, 2020, 132, 21110-21115.	2.0	3
771	Large Scale Chirality Transduction with Functional Molecular Materials. Chemistry of Materials, 2020, 32, 10663-10669.	6.7	14
772	Enantiomeric separation of malathion and malaoxon and the chiral residue analysis in food and environmental matrix. Chirality, 2020, 32, 1053-1061.	2.6	14
773	Synthesis of a poly(diphenylacetylene) bearing optically active anilide pendants and its application to a chiral stationary phase for high-performance liquid chromatography. Journal of Chromatography A, 2020, 1622, 461173.	3.7	15
774	Chiral Ionic Liquids: Structural Diversity, Properties and Applications in Selected Separation Techniques. International Journal of Molecular Sciences, 2020, 21, 4253.	4.1	54
775	Preparation of Surface Ion-Imprinted Materials Based on Modified Chitosan for Highly Selective Recognition and Adsorption of Nickel Ions in Aqueous Solutions. Industrial & Engineering Chemistry Research, 2020, 59, 6033-6042.	3.7	13
776	Recent developments in liquid and supercritical fluid chromatographic enantioseparations. Handbook of Analytical Separations, 2020, 8, 453-521.	0.8	8
777	Facile Adjusting of a Right-Handed Helical Structure of Cellulose-Based Carbon Material for Chiral Separation. ACS Sustainable Chemistry and Engineering, 2020, 8, 3401-3411.	6.7	6

#	ARTICLE	IF	CITATIONS
778	Chiral differentiation of limonene in chiral nematic liquid crystals. <i>Soft Matter</i> , 2020, 16, 3669-3677.	2.7	5
779	Influence of Host-Guest Interaction between Chiral Selectors and Probes on the Enantioseparation Properties of Graphene Oxide Membranes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10893-10901.	8.0	27
780	Separation principle of xylene isomers and ethylbenzene with hydrogen-bonded host frameworks via first-principles calculation. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 85, 276-281.	5.8	6
781	Separation of twelve posaconazole related stereoisomers by multiple heart-cutting chiral two-dimensional liquid chromatography. <i>Journal of Chromatography A</i> , 2020, 1618, 460845.	3.7	19
782	Exploiting Ternary Solubility Phase Diagrams for Resolution of Enantiomers: An Instructive Example. <i>Chemical Engineering and Technology</i> , 2020, 43, 329-336.	1.5	6
783	Recognition and separation of enantiomers based on functionalized magnetic nanomaterials. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 124, 115804.	11.4	23
784	Preparation and evaluation of an ethylenediamine dicarboxyethyl diamido-bridged bis(β -cyclodextrin)-bonded chiral stationary phase for high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2020, 1619, 460937.	3.7	26
785	Microspheres of biomolecules/macromolecules for enantioseparation applications. <i>European Polymer Journal</i> , 2021, 142, 110145.	5.4	2
786	Separation and preparative purification of l- and d-valine ester: Diastereomeric conjugates of atazanavir using a combination of 2-propanol and acetonitrile in reversed-phase high-performance liquid chromatography. <i>Separation Science Plus</i> , 2021, 4, 16-23.	0.6	1
787	Carbon quantum dots embedded silica molecular imprinted polymer as a novel and sensitive fluorescent nanoprobe for reproducible enantioselective quantification of naproxen enantiomers. <i>Microchemical Journal</i> , 2021, 160, 105723.	4.5	19
788	Microfluidic fast chiral separation of baclofen and phenylalanine enantiomers based on cyclodextrin-electrokinetic chromatography. <i>Microchemical Journal</i> , 2021, 160, 105770.	4.5	9
789	The molecular bases of chiral recognition in 2-(benzylsulfinyl)benzamide enantioseparation. <i>Analytica Chimica Acta</i> , 2021, 1141, 194-205.	5.4	26
790	Advances of enantioselective solid membranes. <i>New Journal of Chemistry</i> , 2021, 45, 6586-6599.	2.8	14
791	Molecularly imprinted polymer composites in chiral separation. , 2021, , 283-307.		1
792	Nanoengineered chiral Pt-Ir alloys for high-performance enantioselective electrosynthesis. <i>Nature Communications</i> , 2021, 12, 1314.	12.8	47
793	Application of nanoparticles in chiral analysis and chiral separation. <i>Chirality</i> , 2021, 33, 196-208.	2.6	18
794	Challenges in membrane-based liquid phase separations. <i>Green Chemical Engineering</i> , 2021, 2, 3-13.	6.3	13
795	Solvent Effect on the Preparation of Ionic Cocrystals of <sc>dl</sc>-Amino Acids with Lithium Chloride: Conglomerate versus Racemate Formation. <i>Crystal Growth and Design</i> , 2021, 21, 3438-3448.	3.0	14

#	ARTICLE	IF	CITATIONS
796	Solid membranes for chiral separation: A review. Chemical Engineering Journal, 2021, 410, 128247.	12.7	65
797	Racemic Tartrate/Malate Anions Combine with Racemic Complex Cations to Form Optically Active Ionic Crystals. Chemistry - A European Journal, 2021, 27, 8358-8364.	3.3	2
798	Molecular dynamics simulations of chiral recognition of drugs by amylose polymers coated on amorphous silica. Molecular Physics, 2021, 119, .	1.7	5
799	Recent advances of the ionic chiral selectors for chiral resolution by chromatography, spectroscopy and electrochemistry. Journal of Separation Science, 2022, 45, 325-337.	2.5	13
800	Modelling approaches for chiral chromatography on polysaccharide-based and macrocyclic antibiotic chiral selectors: A review. Analytica Chimica Acta, 2022, 1198, 338861.	5.4	25
801	Chiral Coordination Metallacycles/Metallacages for Enantioselective Recognition and Separation. Chinese Journal of Chemistry, 2021, 39, 2273-2286.	4.9	35
802	Enantioseparation of mandelic acid and substituted derivatives by high-performance liquid chromatography with hydroxypropyl- β -cyclodextrin as chiral mobile additive and evaluation of inclusion complexes by molecular dynamics. Chirality, 2021, 33, 675-684.	2.6	9
803	Chiral Resolution via Cocrystallization with Inorganic Salts. Israel Journal of Chemistry, 2021, 61, 563-572.	2.3	10
804	Simultaneous Chiral Resolution of Two Racemic Compounds by Preferential Cocrystallization**. Angewandte Chemie - International Edition, 2021, 60, 20264-20268.	13.8	18
805	Simultaneous Chiral Resolution of Two Racemic Compounds by Preferential Cocrystallization**. Angewandte Chemie, 2021, 133, 20426-20430.	2.0	1
806	Theoretical electronic circular dichroism investigations of chiral amino acids and development of separation and identification methods independent of standards. Journal of Chromatography A, 2021, 1654, 462446.	3.7	6
807	Spontaneous resolution and absolute chiral induction of 3d-4f heterometal-organic frameworks from achiral precursors. Science China Chemistry, 2021, 64, 1698-1702.	8.2	3
808	CDDA: extension and analysis of the discrete dipole approximation for chiral systems. Optics Express, 2021, 29, 30020.	3.4	4
809	Microreaction and membrane technologies for continuous single-enantiomer production: A review. Catalysis Reviews - Science and Engineering, 2023, 65, 773-821.	12.9	5
810	Future prospects and concluding remarks for electroanalytical applications of quantum dots. , 2021, , 427-450.		5
812	Analytical and Preparative Potential of Immobilized Polysaccharide-Derived Chiral Stationary Phases. , 0, , 99-134.		13
813	Optical Sensing of Enantiomers. , 2005, , 323-341.		2
814	Stereoisomers Separation. Springer Series in Chemical Physics, 2013, , 237-252.	0.2	1

#	ARTICLE	IF	CITATIONS
815	Chiral Drug Separation by Membranes. , 2015, , 1-2.		1
816	Enantioselective Separations, Membrane Operations. , 2016, , 699-699.		2
817	Use of a Hepta-Tyr antibiotic modified silica stationary phase for the enantiomeric resolution of d,l-loxiglumide by electrochromatography and nano-liquid chromatography. Journal of Chromatography A, 2004, 1051, 247-252.	3.7	2
818	Novel urea-linked cinchona-calixarene hybrid-type receptors for efficient chromatographic enantiomer separation of carbamate-protected cyclic amino acids. Journal of Chromatography A, 2004, 1053, 119-131.	3.7	8
819	Thermodynamic study on the gas chromatographic separation of the enantiomers of aromatic alcohols using heptakis(2,3-di-O-methyl-6-O-tert-butyl-dimethylsilyl)- β -cyclodextrin as a stationary phase. Journal of Chromatography A, 2004, 1049, 223-226.	3.7	3
820	Noncovalent interactions in high-performance liquid chromatography enantioseparations on polysaccharide-based chiral selectors. Journal of Chromatography A, 2020, 1623, 461202.	3.7	55
821	Fundamentals of Population Balance Based Crystallization Process Modeling. , 2020, , 51-101.		5
823	Polysaccharide-Based Chiral Stationary Phases. , 2003, , 21-88.		2
824	Macrocyclic Glycopeptide Antibiotics-Based Chiral Stationary Phases. , 2003, , 137-175.		7
825	Phenomenological modeling of separation of enantiomers by nonlinear chromatography. Acta Chromatographica, 2008, 20, 513-547.	1.3	5
826	Enantioseparation of 38 Racemates on Four Chiral Columns in High Performance Liquid Chromatography. Chinese Journal of Analytical Chemistry, 2010, 38, 181-186.	1.7	3
827	CHIRAL RECOGNITION OF HELICAL POLY(PHENYLACETYLENE) DERIVATIVES BEARING L-AMINO ACID ETHYL ESTER PENDANTS. Acta Polymerica Sinica, 2013, 013, 811-816.	0.0	2
828	Development and Validation of Chiral HPLC Method for Identification and Quantification of (R)-Enantiomer in Ezetimibe. American Journal of Analytical Chemistry, 2012, 03, 478-483.	0.9	7
829	Isolation and Characterization of S-Enantiomer in Montelukast. American Journal of Analytical Chemistry, 2013, 04, 56-61.	0.9	5
830	Isolation and Characterization of R-Enantiomer in Ezetimibe. American Journal of Analytical Chemistry, 2013, 04, 488-495.	0.9	4
831	Chiral Protonated Amino Acid Ester Discrimination by Acyclic Chiral Hosts Including D-Mannofuranose Moieties in Fast Atom Bombardment Mass Spectrometry Coupled with the Enantiomer Labeled Guest Method. Journal of the Mass Spectrometry Society of Japan, 2009, 57, 331-339.	0.1	3
832	Efficient Spin-Dependent Charge Transmission and Improved Enantioselective Discrimination Capability in Self-Assembled Chiral Coordinated Monolayers. Journal of Physical Chemistry Letters, 2021, 12, 10262-10269.	4.6	7
833	<sc>Cysteine-Modified Graphene Oxide-Based Membrane for Chiral Selective Separation. ACS Applied Materials & Interfaces, 2021, 13, 49215-49223.	8.0	25

#	ARTICLE	IF	CITATIONS
834	Stereoselectivity in Drug Action and Disposition. , 2004, , .		1
835	Stereoselectivity in Drug Action and Disposition: An Overview. , 2004, , 139-186.		1
837	Chiral Separations. , 2011, , 834-848.		0
838	The Development and Validation of a Chiral High Performance Liquid Chromatography Method for the Identification and Quantification of (R)-Enantiomer in 10-Hydroxycamptothecin. Journal of the Brazilian Chemical Society, 2013, , .	0.6	0
839	Enantioselective Separations, Membrane Operations. , 2015, , 1-1.		0
841	Membranes: Chiral Separation. , 0, , 4516-4537.		0
842	Enantiomers. , 2016, , 697-698.		0
843	Chiral Drug Separation by Membranes. , 2016, , 399-400.		0
844	An Efficient Synthesis of Enantiomerically Pure $\hat{3}$ -Aminobutyric Acid (GABA) Derivatives. Journal of Materials Science and Chemical Engineering, 2017, 05, 25-32.	0.4	0
845	Chiral Alignment Media for Enantiodiscrimination. Springer Theses, 2018, , 153-176.	0.1	0
846	New biocatalysts for the creation of potential drugs. Visnik Nacional Noi Akademii Nauk Ukrai Ni, 2018, 03, 73-78.	0.3	0
847	Chiral Thermodynamics in Tailored Chiral Optical Environments. Physical Review X, 2021, 11, .	8.9	3
848	Identification of Bi-2-naphthol and Its Phosphate Derivatives Complexed with Cyclodextrin and Metal Ions Using Trapped Ion Mobility Spectrometry. Analytical Chemistry, 2021, 93, 15096-15104.	6.5	21
849	Development and validation of HPLC method for enantioseparation of Ibrutinib on immobilized chiral stationary phase. Materials Today: Proceedings, 2022, 50, 384-387.	1.8	3
851	Are Highly Stable Covalent Organic Frameworks the Key to Universal Chiral Stationary Phases for Liquid and Gas Chromatographic Separations?. Journal of the American Chemical Society, 2022, 144, 891-900.	13.7	72
852	Enantiomers and Their Resolution. Encyclopedia, 2022, 2, 151-188.	4.5	1
853	Ligand assisted hydrogenation of levulinic acid on Pt(111) from first principles calculations. Catalysis Science and Technology, 2022, 12, 1850-1858.	4.1	1
854	A selective electrochemical chiral interface based on a carboxymethyl- $\hat{2}$ -cyclodextrin/Pd@Au nanoparticles/3D reduced graphene oxide nanocomposite for tyrosine enantiomer recognition. Analyst, The, 2022, 147, 880-888.	3.5	10

#	ARTICLE	IF	CITATIONS
855	Functional Chirality: From Small Molecules to Supramolecular Assemblies. <i>Symmetry</i> , 2022, 14, 292.	2.2	17
856	NMR analysis of the enantiomeric purity of chiral diols by a new chiral boron agent. <i>RSC Advances</i> , 2022, 12, 4692-4696.	3.6	3
858	Enantiomeric Separation of 2-Hydroxyglutarate Using Chiral Mobile Phase Additives. <i>Chromatography</i> , 2022, 43, 43-46.	1.7	1
859	Design, Development, and Analysis of an Automated Sampling Loop for Online Monitoring of Chiral Crystallization. <i>Organic Process Research and Development</i> , 2022, 26, 1063-1077.	2.7	2
860	Chirality of proteinoid nanoparticles made of lysine and phenylalanine. <i>Polymers for Advanced Technologies</i> , 2022, 33, 3788-3796.	3.2	2
861	Synthesis of Chiral Au Nanocrystals with Precise Homochiral Facets for Enantioselective Surface Chemistry. <i>Nano Letters</i> , 2022, 22, 2915-2922.	9.1	42
862	Chiral membranes for enantiomer separation: A comprehensive review. <i>Separation and Purification Technology</i> , 2022, 292, 121034.	7.9	23
863	Artificial chiral nanochannels. <i>Supramolecular Chemistry</i> , 0, , 1-12.	1.2	0
864	Growth of Hybrid Chiral Thin Films by Molecular Layer Deposition Zinc/Cysteine as a Case Study. <i>Advanced Materials Interfaces</i> , 2022, 9, 2101725.	3.7	6
865	Resolution of (<i>S</i>)-4-(4-methoxyphenyl)ethanol by lipase-catalyzed stereoselective transesterification and the process optimization. <i>Chirality</i> , 2022, 34, 438-445.	2.6	2
866	A biomimetic metal-organic framework with cuboid inner cavities for enantioselective separation. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2683-2690.	6.0	5
867	Chiral Recognition R- and RS- of New Antifungal: Complexation/Solubilization/Dissolution Thermodynamics and Permeability Assay. <i>Pharmaceutics</i> , 2022, 14, 864.	4.5	2
868	Artificial neural networks to model the enantioresolution of structurally unrelated neutral and basic compounds with cellulose tris(3,5-dimethylphenylcarbamate) chiral stationary phase and aqueous-acetonitrile mobile phases. <i>Journal of Chromatography A</i> , 2022, 1672, 463048.	3.7	4
869	Optical Sensing of Enantiomers. , 2005, , 323-341.		0
871	Chiral Metal Electrodes for Enantioselective Analysis, Synthesis, and Separation. <i>RSC Green Chemistry</i> , 2022, , 274-299.	0.1	1
872	Enantioseparation on helical poly(diphenylacetylene)s bearing optically-active pendants: Effects of differences in higher-order structures of kinetically-trapped and thermodynamically-stable states on chiral recognition ability. <i>Journal of Chromatography A</i> , 2022, 1675, 463164.	3.7	6
873	Direct Crystallization Resolution of Racemates Enhanced by Chiral Nanorods: Experimental, Statistical, and Quantum Mechanics/Molecular Dynamics Simulation Studies. <i>ACS Omega</i> , 2022, 7, 19828-19841.	3.5	6
874	An organic transistor for the selective detection of tropane alkaloids utilizing a molecularly imprinted polymer. <i>Journal of Materials Chemistry B</i> , 2022, 10, 6808-6815.	5.8	9

#	ARTICLE	IF	CITATIONS
875	Defect-Rich NiO Nanosheet for Promoting Electrocatalytic OER and Oxidation of Chiral 2-Butanol. <i>Electrocatalysis</i> , 2022, 13, 818-829.	3.0	2
876	Recognition in the Domain of Molecular Chirality: From Noncovalent Interactions to Separation of Enantiomers. <i>Chemical Reviews</i> , 2022, 122, 13235-13400.	47.7	77
877	Nanomaterials-enriched sensors for detection of chiral pharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 221, 115031.	2.8	8
878	Advanced density-based methods for the characterization of materials, binding events, and kinetics. <i>Chemical Society Reviews</i> , 2022, 51, 8612-8651.	38.1	2
879	Recent developments in polynorepinephrine: an innovative material for bioinspired coatings and colloids. <i>Journal of Materials Chemistry B</i> , 2022, 10, 7895-7904.	5.8	2
880	Chiral graphene materials for enantiomer separation. <i>Chemical Engineering Journal</i> , 2023, 452, 139499.	12.7	13
881	Spontaneous Resolution of RS-Fluoxetine to a Racemic Conglomerate upon Salt Formation with Oxalic Acid. <i>Crystal Growth and Design</i> , 2022, 22, 5966-5973.	3.0	4
882	â€œClickâ€•preparation of a chiral macrocycle-based stationary phase for both normal-phase and reversed-phase high performance liquid chromatography enantioseparation. <i>Journal of Chromatography A</i> , 2022, 1683, 463551.	3.7	7
883	A Look at the Importance of Chirality in Drug Activity: Some Significant Examples. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 10909.	2.5	21
884	Enhanced MOF-immobilized lipase CAL-A with polyethylene glycol for efficient stereoselective hydrolysis of aromatic acid esters. <i>Biochemical Engineering Journal</i> , 2022, 189, 108707.	3.6	6
885	3D-printed complex-shaped chiral organosilica porous monoliths that display enantioselectivity. <i>Additive Manufacturing</i> , 2022, 60, 103265.	3.0	2
886	Preparation of a cyclodextrin metal-organic framework (CD-MOF) membrane for chiral separation. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109250.	6.7	7
887	Green and Strategic Approach for Chiral Resolution by Diastereomeric Salt Formation: The Study of Racemic Ibuprofen. <i>Industrial & Engineering Chemistry Research</i> , 2023, 62, 1946-1957.	3.7	2
888	Enantioseparation/Recognition based on nano techniques/materials. <i>Journal of Separation Science</i> , 2023, 46, .	2.5	0
889	Polysaccharide and Cyclodextrin-Based Monolithic Chiral Stationary Phases and its Application to Chiral Separation. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2023, 26, 2583-2597.	1.1	3
890	A chiral magnetic molybdenum disulfide nanocomposite for direct enantioseparation of <i>RS</i>-propranolol. <i>RSC Advances</i> , 2023, 13, 5249-5258.	3.6	0
891	Enantioseparation Membranes: Research Status, Challenges, and Trends. <i>Small</i> , 2023, 19, .	10.0	8
892	Spinâ€•Controlled Helical Quantum Sieve Chiral Spectrometer. <i>Advanced Materials</i> , 2023, 35, .	21.0	3

#	ARTICLE	IF	CITATIONS
893	Separation of non-racemic mixtures of enantiomers by achiral chromatography. Journal of Chromatography A, 2023, 1693, 463877.	3.7	4
895	Preparation of Chiral Porous Organic Cage Clicked Chiral Stationary Phase for HPLC Enantioseparation. Molecules, 2023, 28, 3235.	3.8	1
896	A greener pathway to enantiopurity: mechanochemical deracemization through abrasive grinding.. Chemistry - A European Journal, 0, , .	3.3	1
897	Polyethyleneimine-MOF composite as a support for immobilization of lipase with enhanced activity in kinetic resolution. Applied Catalysis A: General, 2023, 661, 119232.	4.3	2
898	Chiral Sensing as a Future Challenge in Electroanalytical Chemistry: Cyclodextrin-Based Chiral Sensors. Critical Reviews in Analytical Chemistry, 2023, 53, 498-519.	3.5	0
899	Exploring the supramolecular profile of 5-phenylhydantoins. CrystEngComm, 2023, 25, 3637-3654.	2.6	1
901	Surface modified nanoparticles and their applications for enantioselective detection, analysis, and separation of various chiral compounds. RSC Advances, 2023, 13, 18070-18089.	3.6	1
902	A chiral multi-shelled mesoporous carbon nanospheres used for high-resolution gas chromatography separations. Journal of Chromatography A, 2023, 1702, 464100.	3.7	1
903	Chirality-Controlled Mercapto- β -cyclodextrin Covalent Organic Frameworks for Selective Adsorption and Chromatographic Enantioseparation. ACS Applied Materials & Interfaces, 2023, 15, 27214-27222.	8.0	5
904	One-Handed Helical Polyacetylenes Bearing Axially-Chiral 2-Arylpyridyl-N-Oxide Units for Efficient Chromatographic Enantioseparation of Chiral Aromatic and Aliphatic Alcohols. Angewandte Chemie - International Edition, 2023, 62, .	13.8	4
905	One-Handed Helical Polyacetylenes Bearing Axially-Chiral 2-Arylpyridyl-N-Oxide Units for Efficient Chromatographic Enantioseparation of Chiral Aromatic and Aliphatic Alcohols. Angewandte Chemie, 0, , .	2.0	0
906	Separation of tamsulosin enantiomers by capillary electrophoresis with tandem mass spectrometry and online stacking preconcentration. Analytical Methods, 2023, 15, 3543-3548.	2.7	0
907	Serially coupled column liquid chromatography: An alternative separation tool. Journal of Chromatography A, 2023, 1706, 464278.	3.7	0
908	Diastereomer salt crystallization: Comprehensive process modeling and DoE-driven comparison of custom-coded and user-friendly simulators. Chemical Engineering Journal, 2023, 473, 145257.	12.7	1
909	Organic Transistor-Based Chemical Sensors for Real-Sample Analysis. Physica Status Solidi (A) Applications and Materials Science, 2023, 220, .	1.8	0
910	Polymeric Carbon Nitride with Chirality Inherited from Supramolecular Assemblies. Angewandte Chemie - International Edition, 2023, 62, .	13.8	1
911	Polymeric Carbon Nitride with Chirality Inherited from Supramolecular Assemblies. Angewandte Chemie, 2023, 135, .	2.0	0
912	Cyclodextrin Incorporation into Covalent Organic Frameworks Enables Extensive Liquid and Gas Chromatographic Enantioseparations. Journal of the American Chemical Society, 2023, 145, 18956-18967.	13.7	11

#	ARTICLE	IF	CITATIONS
913	Layered double hydroxide nanosheets embedded β -cyclodextrin composite membranes with enhanced chiral separation performance. Journal of Industrial and Engineering Chemistry, 2023, , .	5.8	0
914	Designing of molecularly imprinted polymer with carboxylic acid functionality for chiral separation of (A±)â€3,4â€methylenedioxymethamphetamine. Polymer International, 2024, 73, 50-60.	3.1	2
915	A novel pillar[3]trianglimine macrocycle with a deep cavity used as a chiral selector to prepare a chiral stationary phase by thiolâ€ene click reaction for enantioseparation in highâ€performance liquid chromatography. Journal of Separation Science, 2023, 46, .	2.5	2
916	TAMOF-1 as a Versatile and Predictable Chiral Stationary Phase for the Resolution of Racemic Mixtures. ACS Applied Materials & Interfaces, 2023, 15, 39594-39605.	8.0	1
917	Crossâ€linked polysiloxaneâ€coated stable bond <i>O</i>â€â€(2,6â€diisopropylphenylcarbamoyl)quinine and quinidine chiral stationary phases as well as application in enantioselective cryoâ€HPLC. Electrophoresis, 0, , .	2.4	0
918	Rapid Thalidomide Racemization Is Related to Proton Tunneling Reactions via Water Bridges. Journal of Physical Chemistry Letters, 2023, 14, 10592-10598.	4.6	0
919	Squarate-Tethered Enantiomeric Imido-Pd(II) Cages for Recognition and Separation of Chiral Organic Molecules. Inorganic Chemistry, 2023, 62, 19375-19381.	4.0	0
920	Vacuum-Induced Symmetry Breaking of Chiral Enantiomer Formation in Chemical Reactions. Physical Review Letters, 2023, 131, .	7.8	0
921	The Effect of the Stationary Phase on Resolution in the HPLC-Based Separation of Racemic Mixtures Using Vancomycin as a Chiral Selector: A Case Study with Profen Nonsteroidal Anti-Inflammatory Drugs. Symmetry, 2023, 15, 2154.	2.2	0
922	Miniaturized enantioselective tubular devices for the electromechanical wireless separation of chiral analytes. CheM, 2024, 10, 660-674.	11.7	2
923	Structural Determinants of Chirally Selective Transport of Amino Acids through the β -Hemolysin Protein Nanopores of Free-Standing Planar Lipid Membranes. Nano Letters, 2024, 24, 681-687.	9.1	0
924	Design and process study of chiral separation of (2<i>S</i>,4<i>S</i>)-1-(<i>tert</i>-butoxy) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 2024, 26, 2673-2683.	9.0	1
925	Stereoisomeric separation of the chiral herbicide profoxydim and residue method development in rice by QuEChERS and LCâ€MS/MS. Food Chemistry, 2024, 443, 138536.	8.2	0
926	A chiral emissive porous organic cage used for high-resolution gas chromatography separations. New Journal of Chemistry, 2024, 48, 4273-4280.	2.8	0
927	Exploring the potential of inherent chiral single-walled carbon nanotubes in enantioselective electrochemical sensing: A novel microsensor for discriminating DOPA enantiomers. Electrochimica Acta, 2024, 487, 144162.	5.2	0