

# Istvn Ilisz

## List of Publications by Citations

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114  
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26  
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116  
ext. papers

2,685  
ext. citations

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#	Paper	IF	Citations
114	Application of chiral derivatizing agents in the high-performance liquid chromatographic separation of amino acid enantiomers: a review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 47, 1-15	3.5	160
113	HPLC separation of amino acid enantiomers and small peptides on macrocyclic antibiotic-based chiral stationary phases: a review. <i>Journal of Separation Science</i> , <b>2006</b> , 29, 1305-21	3.4	139
112	TiO <sub>2</sub> -based photocatalytic degradation of 2-chlorophenol adsorbed on hydrophobic clay. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 3618-24	10.3	110
111	Investigation of the photodecomposition of phenol in near-UV-irradiated aqueous TiO <sub>2</sub> suspensions. II. Effect of charge-trapping species on product distribution. <i>Applied Catalysis A: General</i> , <b>1999</b> , 180, 35-45	5.1	94
110	Retention mechanism of high-performance liquid chromatographic enantioseparation on macrocyclic glycopeptide-based chiral stationary phases. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 1845-1856	4.5	91
109	Removal of 2-chlorophenol from water by adsorption combined with TiO <sub>2</sub> photocatalysis. <i>Applied Catalysis B: Environmental</i> , <b>2002</b> , 39, 247-256	21.8	90
108	Investigation of the photodecomposition of phenol in near-UV-irradiated aqueous TiO <sub>2</sub> suspensions. I: Effect of charge-trapping species on the degradation kinetics. <i>Applied Catalysis A: General</i> , <b>1999</b> , 180, 25-33	5.1	90
107	Degradation of naproxen by UV, VUV photolysis and their combination. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 262, 151-7	12.8	83
106	Recent advances in the direct and indirect liquid chromatographic enantioseparation of amino acids and related compounds: a review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2012</b> , 69, 28-41	3.5	81
105	State-of-the-art enantioseparations of natural and unnatural amino acids by high-performance liquid chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 81, 11-22	14.6	61
104	High-performance liquid chromatographic enantioseparation of beta-amino acid stereoisomers on a (+)-(18-crown-6)-2,3,11,12-tetracarboxylic acid-based chiral stationary phase. <i>Journal of Chromatography A</i> , <b>2006</b> , 1125, 138-43	4.5	54
103	Chiral derivatizations applied for the separation of unusual amino acid enantiomers by liquid chromatography and related techniques. <i>Journal of Chromatography A</i> , <b>2013</b> , 1296, 119-39	4.5	53
102	Photocatalytic water treatment with different TiO <sub>2</sub> nanoparticles and hydrophilic/hydrophobic layer silicate adsorbents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2003</b> , 230, 89-97	5.1	48
101	Synthesis and characterization of titania photocatalysts: The influence of pretreatment on the activity. <i>Applied Catalysis A: General</i> , <b>2006</b> , 303, 1-8	5.1	46
100	Enantiomeric separation of nonproteinogenic amino acids by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , <b>2012</b> , 1269, 94-121	4.5	41
99	Macrocyclic Antibiotic Selectors in Direct HPLC Enantioseparations. <i>Separation and Purification Reviews</i> , <b>2012</b> , 41, 207-249	7.3	40
98	The photochemical behavior of hydrogen peroxide in near UV-irradiated aqueous TiO <sub>2</sub> suspensions. <i>Journal of Molecular Catalysis A</i> , <b>1998</b> , 135, 55-61		38

97	Unusual temperature-induced retention behavior of constrained $\beta$ -amino acid enantiomers on the zwitterionic chiral stationary phases ZWIX(+) and ZWIX(-). <i>Chirality</i> , <b>2014</b> , 26, 385-93	2.1	33
96	Mechanistic considerations of enantioselectivity on novel Cinchona alkaloid-based zwitterionic chiral stationary phases from the aspect of the separation of trans-paroxetine enantiomers as model compounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 124, 164-173	3.5	33
95	Direct high-performance liquid chromatographic enantioseparation of secondary amino acids on Cinchona alkaloid-based chiral zwitterionic stationary phases. Unusual temperature behavior. <i>Journal of Chromatography A</i> , <b>2014</b> , 1363, 169-77	4.5	31
94	Liquid chromatographic enantiomer separations applying chiral ion-exchangers based on Cinchona alkaloids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 159, 127-152	3.5	31
93	Structural and temperature effects on enantiomer separations of bicyclo[2.2.2]octane-based 3-amino-2-carboxylic acids on cinchona alkaloid-based zwitterionic chiral stationary phases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 98, 130-9	3.5	27
92	High-performance liquid chromatographic enantioseparation of monoterpene-based 2-amino carboxylic acids on macrocyclic glycopeptide-based phases. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 6956-63	4.5	27
91	High-performance liquid chromatographic enantioseparation of beta-3-homo-amino acid stereoisomers on a (+)-(18-crown-6)-2,3,11,12-tetracarboxylic acid-based chiral stationary phase. <i>Journal of Chromatography A</i> , <b>2008</b> , 1189, 285-91	4.5	27
90	Enantioseparation of $(\alpha)$ -amino acids on cinchona alkaloid-based zwitterionic chiral stationary phases. Structural and temperature effects. <i>Journal of Chromatography A</i> , <b>2014</b> , 1334, 44-54	4.5	26
89	HPLC enantioseparation of beta-2-homoamino acids using crown ether-based chiral stationary phase. <i>Journal of Separation Science</i> , <b>2009</b> , 32, 981-7	3.4	26
88	Enantioseparation of beta-substituted tryptophan analogues with modified cyclodextrins by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 3360-5	4.5	26
87	LC Enantioseparation of $\beta$ -Lactam and $\beta$ -Amino Acid Stereoisomers and a Comparison of Macrocyclic Glycopeptide- and $\beta$ -Cyclodextrin-Based Columns. <i>Chromatographia</i> , <b>2006</b> , 63, S37-S43	2.1	26
86	Effect of mobile phase composition on the liquid chromatographic enantioseparation of bulky monoterpene-based $\beta$ -amino acids by applying chiral stationary phases based on Cinchona alkaloid. <i>Journal of Separation Science</i> , <b>2014</b> , 37, 1075-82	3.4	23
85	High-performance liquid chromatographic enantioseparation of amino compounds on newly developed cyclofructan-based chiral stationary phases. <i>Journal of Separation Science</i> , <b>2012</b> , 35, 617-24	3.4	23
84	Comparison of performance of Chirobiotic T, T2 and TAG columns in the separation of beta-2- and beta-3-homoamino acids. <i>Journal of Separation Science</i> , <b>2008</b> , 31, 3688-97	3.4	23
83	Application of Cinchona alkaloid-based zwitterionic chiral stationary phases in supercritical fluid chromatography for the enantioseparation of N-protected proteinogenic amino acids. <i>Journal of Chromatography A</i> , <b>2015</b> , 1415, 134-45	4.5	22
82	High-performance liquid chromatographic enantioseparation of 1-(phenylethylamino)- or 1-(naphthylethylamino)methyl-2-naphthol analogs and a temperature-induced inversion of the elution sequence on polysaccharide-based chiral stationary phases. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 4869-76	4.5	22
81	The role of pi-acidic and pi-basic chiral stationary phases in the high-performance liquid chromatographic enantioseparation of unusual beta-amino acids. <i>Chirality</i> , <b>2009</b> , 21, 339-48	2.1	20
80	High-performance liquid chromatographic separation of paclitaxel intermediate phenylisoserine derivatives on macrocyclic glycopeptide and cyclofructan-based chiral stationary phases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 114, 312-20	3.5	19

79	B7 costimulation and intracellular indoleamine-2,3-dioxygenase (IDO) expression in peripheral blood of healthy pregnant and non-pregnant women. <i>BMC Pregnancy and Childbirth</i> , <b>2014</b> , 14, 306	3.2	19
78	High-performance liquid chromatographic enantioseparation of 2-aminomono- and dihydroxycyclopentanecarboxylic and 2-aminodihydroxycyclohexanecarboxylic acids on macrocyclic glycopeptide-based phases. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 927-32	4.5	19
77	TiO <sub>2</sub> -Based Heterogeneous Photocatalytic Water Treatment Combined with Ozonation. <i>Ozone: Science and Engineering</i> , <b>2004</b> , 26, 585-594	2.4	19
76	Vacuum ultraviolet photolysis of diclofenac and the effects of its treated aqueous solutions on the proliferation and migratory responses of <i>Tetrahymena pyriformis</i> . <i>Science of the Total Environment</i> , <b>2014</b> , 468-469, 996-1006	10.2	18
75	High-performance liquid chromatographic separation of unusual (β)-amino acid enantiomers in different chromatographic modes on Cinchona alkaloid-based zwitterionic chiral stationary phases. <i>Amino Acids</i> , <b>2015</b> , 47, 2279-91	3.5	18
74	High-performance liquid chromatographic enantioseparation of beta(2)-amino acids using a long-tethered (+)-(18-crown-6)-2,3,11,12-tetracarboxylic acid-based chiral stationary phase. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 1075-82	4.5	18
73	HPLC Enantioseparation of 1-(βAminobenzyl)-2-naphthol and 2-(βAminobenzyl)-1-naphthol Analogs on a βCyclodextrin-Based Chiral Stationary Phase. <i>Chromatographia</i> , <b>2007</b> , 65, 337-341	2.1	18
72	High-performance liquid chromatographic enantioseparation of isoxazoline-fused 2-aminocyclopentanecarboxylic acids on a chiral ligand-exchange stationary phase. <i>Journal of Separation Science</i> , <b>2013</b> , 36, 1335-42	3.4	17
71	Combinatorial effects of the configuration of the cationic and the anionic chiral subunits of four zwitterionic chiral stationary phases leading to reversal of elution order of cyclic β-amino acid enantiomers as ampholytic model compounds. <i>Journal of Chromatography A</i> , <b>2016</b> , 1467, 178-187	4.5	17
70	High-performance liquid chromatographic enantioseparation of cyclic β-amino hydroxamic acids on zwitterionic chiral stationary phases based on Cinchona alkaloids. <i>Analytica Chimica Acta</i> , <b>2016</b> , 921, 84-94 <sup>6,6</sup>	6.6	17
69	Comparison of the separation performances of cinchona alkaloid-based zwitterionic stationary phases in the enantioseparation of α- and β-amino acids. <i>Molecules</i> , <b>2014</b> , 20, 70-87	4.8	16
68	High-Performance Liquid Chromatographic Enantioseparation of Cyclic β-Amino Acids on Zwitterionic Chiral Stationary Phases Based on Cinchona Alkaloids. <i>Chirality</i> , <b>2015</b> , 27, 563-70	2.1	16
67	High-performance liquid chromatographic enantioseparation of unusual isoxazoline-fused 2-aminocyclopentanecarboxylic acids on macrocyclic glycopeptide-based chiral stationary phases. <i>Journal of Chromatography A</i> , <b>2012</b> , 1232, 142-51	4.5	16
66	High-performance liquid chromatographic enantioseparation of unusual secondary amino acids on a D-penicillamine-based chiral ligand exchange column. <i>Chirality</i> , <b>2006</b> , 18, 539-43	2.1	16
65	High-performance liquid chromatographic chiral separation of beta2-homoamino acids. <i>Chirality</i> , <b>2009</b> , 21, 787-98	2.1	15
64	Liquid chromatographic enantioseparation of carbocyclic β-amino acids possessing limonene skeleton on macrocyclic glycopeptide-based chiral stationary phases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 145, 119-126	3.5	14
63	Comparison of separation performances of novel β-cyclodextrin-based chiral stationary phases in high-performance liquid chromatographic enantioseparation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2012</b> , 70, 71-6	3.5	14
62	High-performance liquid chromatographic enantioseparation of unusual isoxazoline-fused 2-aminocyclopentanecarboxylic acids on (+)-(18-crown-6)-2,3,11,12-tetracarboxylic acid-based chiral stationary phases. <i>Chirality</i> , <b>2012</b> , 24, 817-24	2.1	14

61	High-performance liquid chromatographic enantioseparation of cationic 1,2,3,4-tetrahydroisoquinoline analogs on Cinchona alkaloid-based zwitterionic chiral stationary phases. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 961-72	4.4	13
60	Central nervous system-specific alterations in the tryptophan metabolism in the 3-nitropropionic acid model of Huntington's disease. <i>Pharmacology Biochemistry and Behavior</i> , <b>2015</b> , 132, 115-124	3.9	13
59	Investigation of the structure-selectivity relationships and van't Hoff analysis of chromatographic stereoisomer separations of unusual isoxazoline-fused 2-aminocyclopentanecarboxylic acids on Cinchona alkaloid-based chiral stationary phases. <i>Journal of Chromatography A</i> , <b>2015</b> , 1384, 67-75	4.5	13
58	Cyclodextrin-mediated enantioseparation of phenylalanine amide derivatives and amino alcohols by capillary electrophoresis-role of complexation constants and complex mobilities. <i>Electrophoresis</i> , <b>2014</b> , 35, 2848-54	3.6	13
57	Exploring the enantioseparation of amino-naphthol analogues by supercritical fluid chromatography. <i>Journal of Chromatography A</i> , <b>2015</b> , 1387, 123-33	4.5	12
56	Enantioseparations by high-performance liquid chromatography using macrocyclic glycopeptide-based chiral stationary phases: an overview. <i>Methods in Molecular Biology</i> , <b>2013</b> , 970, 137-634	1.4	12
55	Time-course of kynurenic acid concentration in mouse serum following the administration of a novel kynurenic acid analog. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2011</b> , 55, 540-3	3.5	12
54	Comparison of Separation Performances of Cellulose-Based Chiral Stationary Phases in LC Enantioseparation of Aminonaphthol Analogues. <i>Chromatographia</i> , <b>2009</b> , 70, 723-729	2.1	12
53	Enantioseparation of beta-methyl-substituted amino acids with cyclodextrins by capillary zone electrophoresis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2008</b> , 875, 273-9	3.2	12
52	High-performance liquid chromatographic enantioseparation of naphthol-substituted tetrahydroisoquinolines on polysaccharide-based chiral stationary phases. <i>Biomedical Chromatography</i> , <b>2014</b> , 28, 142-51	1.7	11
51	Enantiomeric separation of bicyclo[2.2.2]octane-based 2-amino-3-carboxylic acids on macrocyclic glycopeptide chiral stationary phases. <i>Chirality</i> , <b>2014</b> , 26, 200-8	2.1	11
50	High-performance liquid chromatographic enantioseparation of Betti base analogs on a newly developed isopropyl carbamate-cyclofructan6-based chiral stationary phase. <i>Chirality</i> , <b>2011</b> , 23, 549-56	2.1	11
49	CE Enantioseparation of Betti Bases with Cyclodextrins and Crown Ether as Chiral Selectors. <i>Chromatographia</i> , <b>2010</b> , 71, 115-119	2.1	11
48	LC Enantioseparation of Aryl-Substituted $\beta$ -Lactams Using Variable-Temperature Conditions. <i>Chromatographia</i> , <b>2006</b> , 63, S29-S35	2.1	11
47	Comparison of column performances in direct high-performance liquid chromatographic enantioseparation of 1- or 3-methyl-substituted tetrahydroisoquinoline analogs. Application of direct and indirect methods. <i>Biomedical Chromatography</i> , <b>2005</b> , 19, 459-65	1.7	11
46	Comparison of Ozone-based and other (VUV and TiO <sub>2</sub> /UV) Radical Generation Methods in Phenol Decomposition. <i>Ozone: Science and Engineering</i> , <b>2002</b> , 24, 49-54	2.4	11
45	Exploring the enantiorecognition mechanism of Cinchona alkaloid-based zwitterionic chiral stationary phases and the basic trans-paroxetine enantiomers. <i>Journal of Separation Science</i> , <b>2018</b> , 41, 1199-1207	3.4	11
44	Liquid and subcritical fluid chromatographic enantioseparation of N-Fmoc proteinogenic amino acids on Quinidine-based zwitterionic and anion-exchanger type chiral stationary phases. A comparative study. <i>Chirality</i> , <b>2017</b> , 29, 225-238	2.1	10

43	LC Separation of $\beta$ -Amino Acid Enantiomers. <i>Chromatographia</i> , <b>2010</b> , 71, 13-19	2.1	10
42	High-performance liquid chromatographic enantioseparation of aminonaphthol analogs on polysaccharide-based chiral stationary phases. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 2980-5	4.5	10
41	A Comparative Study of Enantioseparations of N-Fmoc Proteinogenic Amino Acids on Quinine-Based Zwitterionic and Anion Exchanger-Type Chiral Stationary Phases under Hydro-Organic Liquid and Subcritical Fluid Chromatographic Conditions. <i>Molecules</i> , <b>2016</b> , 21,	4.8	10
40	Dedicated comparisons of diverse polysaccharide- and zwitterionic Cinchona alkaloid-based chiral stationary phases probed with basic and ampholytic indole analogs in liquid and subcritical fluid chromatography mode. <i>Journal of Chromatography A</i> , <b>2018</b> , 1563, 180-190	4.5	9
39	LC Enantioseparation of $\beta$ -Amino Acids on a Crown Ether-Based Stationary Phase. <i>Chromatographia</i> , <b>2008</b> , 68, 13-18	2.1	9
38	Comparative study on the liquid chromatographic enantioseparation of cyclic $\beta$ -amino acids and the related cyclic $\beta$ -aminohydroxamic acids on Cinchona alkaloid-based zwitterionic chiral stationary phases. <i>Journal of Separation Science</i> , <b>2018</b> , 41, 1216-1223	3.4	9
37	High-performance liquid chromatographic enantioseparation of isopulegol-based $\beta$ -amino lactone and $\beta$ -amino amide analogs on polysaccharide-based chiral stationary phases focusing on the change of the enantiomer elution order. <i>Journal of Chromatography A</i> , <b>2020</b> , 1621, 461054	4.5	8
36	Comparison of separation performances of amylose- and cellulose-based stationary phases in the high-performance liquid chromatographic enantioseparation of stereoisomers of beta-lactams. <i>Chirality</i> , <b>2010</b> , 22, 120-8	2.1	8
35	Enantioseparation of $\beta$ -carboline derivatives on polysaccharide- and strong cation exchanger-based chiral stationary phases. A comparative study. <i>Journal of Chromatography A</i> , <b>2016</b> , 1467, 188-198	4.5	8
34	Liquid chromatographic enantioseparation of limonene-based carbocyclic $\beta$ -amino acids on zwitterionic Cinchona alkaloid-based chiral stationary phases. <i>Journal of Separation Science</i> , <b>2017</b> , 40, 3196-3204	3.4	7
33	Cyclodextrin-mediated capillary electrophoresis enantioseparation of dansylated $\beta$ -amino acids with bicyclo[2.2.2]octane, bicyclo[3.1.1]heptane and cyclopenta[d][1,2]oxazole core structures. <i>Electrophoresis</i> , <b>2019</b> , 40, 1931-1940	3.6	7
32	Effects of N-methylation and amidination of cyclic $\beta$ -amino acids on enantioselectivity and retention characteristics using Cinchona alkaloid- and sulfonic acid-based chiral zwitterionic stationary phases. <i>Journal of Chromatography A</i> , <b>2018</b> , 1535, 72-79	4.5	7
31	Enantioselective Liquid Chromatographic Separations Using Macrocyclic Glycopeptide-Based Chiral Selectors. <i>Molecules</i> , <b>2021</b> , 26,	4.8	7
30	Enantioselective resolution of biologically active dipeptide analogs by high-performance liquid chromatography applying Cinchona alkaloid-based ion-exchanger chiral stationary phases. <i>Journal of Chromatography A</i> , <b>2020</b> , 1611, 460574	4.5	7
29	High-Performance Liquid Chromatography Enantioseparations Using Macrocyclic Glycopeptide-Based Chiral Stationary Phases: An Overview. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1985, 201-237	1.4	6
28	Ultra-trace Analysis of Enantiomeric Impurities in Proteinogenic N-Fmoc-Amino-acid Samples on Cinchona Alkaloid-based Chiral Stationary Phases. <i>Israel Journal of Chemistry</i> , <b>2016</b> , 56, 1042-1051	3.4	6
27	Polysaccharide-based chiral stationary phases as efficient tools for diastereo- and enantioseparation of natural and synthetic Cinchona alkaloid analogs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2021</b> , 193, 113724	3.5	6
26	High-performance liquid chromatographic and subcritical fluid chromatographic separation of $\beta$ -arylated $\beta$ -carboline, N-alkylated tetrahydroisoquinolines and their bioisosteres on polysaccharide-based chiral stationary phases. <i>Journal of Separation Science</i> , <b>2019</b> , 42, 2779-2787	3.4	5

25	Chiral high-performance liquid and supercritical fluid chromatographic enantioseparations of limonene-based bicyclic aminoalcohols and aminodiols on polysaccharide-based chiral stationary phases. <i>Biomedical Chromatography</i> , <b>2019</b> , 33, e4517	1.7	5
24	High-performance liquid chromatographic enantioseparation of amino alcohol analogues possessing 1,2,3,4-tetrahydroisoquinoline skeleton on polysaccharide-based chiral stationary phases. <i>Biomedical Chromatography</i> , <b>2015</b> , 29, 788-96	1.7	5
23	LC Enantioseparation of Lactam Stereoisomers through the Use of Cyclodextrin-Based Chiral Stationary Phases. <i>Chromatographia</i> , <b>2010</b> , 71, 29-34	2.1	5
22	High-performance liquid chromatographic separation of stereoisomers of N-phthaloyl-protected amino acids and dipeptidomimetics. <i>Journal of Separation Science</i> , <b>2007</b> , 30, 1881-7	3.4	5
21	The establishment of tocopherol reference intervals for Hungarian adult population using a validated HPLC method. <i>Biomedical Chromatography</i> , <b>2017</b> , 31, e3953	1.7	4
20	Development of the high-performance liquid chromatographic method for the enantioseparation of unusual glycine ester analogs on polysaccharide-based chiral stationary phases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2013</b> , 76, 183-91	3.5	4
19	Liquid chromatographic resolution of natural and racemic Cinchona alkaloid analogues using strong cation- and zwitterion ion-exchange type stationary phases. Qualitative evaluation of stationary phase characteristics and mobile phase effects on stereoselectivity and retention. <i>Journal of Chromatography A</i> , <b>2020</b> , 1620, 410199	4.5	4
18	Enantioseparation of Ecarboline, tetrahydroisoquinoline and benzazepine analogues of pharmaceutical importance: Utilization of chiral stationary phases based on polysaccharides and sulfonic acid modified Cinchonaalkaloids in high-performance liquid and subcritical fluid chromatography. <i>Journal of Chromatography A</i> , <b>2020</b> , 1620, 410174	4.5	4
17	High-performance liquid chromatographic enantioseparation of fluorinated cyclic (B) -amino acid derivatives on polysaccharide-based chiral stationary phases. Comparison with nonfluorinated counterparts. <i>Biomedical Chromatography</i> , <b>2016</b> , 30, 1441-8	1.7	4
16	Liquid Chromatographic Enantioseparations Utilizing Chiral Stationary Phases Based on Crown Ethers and Cyclofructans. <i>Molecules</i> , <b>2021</b> , 26,	4.8	4
15	SZR-104, a Novel Kynurenic Acid Analogue with High Permeability through the Blood-Brain Barrier. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	4
14	Analytical Methodologies for the Characterization and Analysis of the Parent Compound and Phase I Metabolites of 4F-MDMB-BICA in Human Microsome, Urine, and Blood Samples. <i>Journal of Analytical Toxicology</i> , <b>2021</b> ,	2.9	3
13	Cinchona Alkaloid-Based Zwitterionic Chiral Stationary Phases Applied for Liquid Chromatographic Enantiomer Separations: An Overview. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1985, 251-277	1.4	2
12	A simple chromatographic route for the isolation of meso diaminopimelic acid. <i>Chirality</i> , <b>2011</b> , 23, 133-7	2.1	2
11	Heart-cutting two-dimensional liquid chromatography coupled to quadrupole-orbitrap high resolution mass spectrometry for determination of N,N-dimethyltryptamine in rat plasma and brain; Method development and application. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 191, 113615	3.5	2
10	High-performance liquid chromatographic evaluation of strong cation exchanger-based chiral stationary phases focusing on stationary phase characteristics and mobile phase effects employing enantiomers of tetrahydro-Ecarboline and 1,2,3,4-tetrahydroisoquinoline analogs. <i>Journal of Chromatography A</i> , <b>2021</b> , 1648, 462212	4.5	2
9	Unexpected effects of mobile phase solvents and additives on retention and resolution of N-acyl-D,L-leucine applying Cinchonane-based chiral ion exchangers. <i>Journal of Chromatography A</i> , <b>2021</b> , 1648, 462212	4.5	2
8	Comparison of UV- and UV/VUV-Induced Photolytic and Heterogeneous Photocatalytic Degradation of Phenol, with Particular Emphasis on the Intermediates. <i>Journal of Advanced Oxidation Technologies</i> , <b>2008</b> , 11,		1

- 7 Liquid-phase oxidation of cyclohexene and of tetralin by N<sub>2</sub>O in the presence of onium salts under mild experimental conditions. *Journal of Molecular Catalysis A*, **2007**, 263, 48-54 1
- 6 Enantioseparation of  $\beta$ -amino acids by liquid chromatography using core-shell chiral stationary phases based on teicoplanin and teicoplanin aglycone. *Journal of Chromatography A*, **2021**, 1653, 462383<sup>4,5</sup> 1
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