

Robert Berkecz

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56

papers

1,066

citations

18

h-index

31

g-index

66

ext. papers

1,204

ext. citations

3.7

avg. IF

4.23

L-index

#	Paper	IF	Citations
56	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> , 2008 , 47, 1-15	3.5	160
55	HPLC separation of amino acid enantiomers and small peptides on macrocyclic antibiotic-based chiral stationary phases: a review. <i>Journal of Separation Science</i> , 2006 , 29, 1305-21	3.4	139
54	Retention mechanism of high-performance liquid chromatographic enantioseparation on macrocyclic glycopeptide-based chiral stationary phases. <i>Journal of Chromatography A</i> , 2009 , 1216, 1845-1850	4.5	91
53	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> , 2006 , 1125, 138-43	4.5	54
52	The isoform-specific pathological effects of apoE4 in vivo are prevented by a fish oil (DHA) diet and are modified by cholesterol. <i>Journal of Alzheimer's Disease</i> , 2012 , 28, 667-83	4.3	44
51	Special lipid-based diets alleviate cognitive deficits in the APPswe/PS1dE9 transgenic mouse model of Alzheimer's disease independent of brain amyloid deposition. <i>Journal of Nutritional Biochemistry</i> , 2014 , 25, 157-69	6.3	42
50	The Role of Lipids and Membranes in the Pathogenesis of Alzheimer's Disease: A Comprehensive View. <i>Current Alzheimer Research</i> , 2018 , 15, 1191-1212	3	34
49	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> , 2008 , 1189, 285-91	4.5	27
48	HPLC enantioseparation of beta-2-homoamino acids using crown ether-based chiral stationary phase. <i>Journal of Separation Science</i> , 2009 , 32, 981-7	3.4	26
47	Enantioseparation of beta-substituted tryptophan analogues with modified cyclodextrins by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2009 , 1216, 3360-5	4.5	26
46	LC Enantioseparation of β -Lactam and β -Amino Acid Stereoisomers and a Comparison of Macrocyclic Glycopeptide- and β -Cyclodextrin-Based Columns. <i>Chromatographia</i> , 2006 , 63, S37-S43	2.1	26
45	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> , 2008 , 31, 3688-97	3.4	23
44	Fatal intoxication of a regular drug user following N-ethyl-hexedrone and ADB-FUBINACA consumption. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2019 , 65, 92-100	1.7	22
43	Comprehensive phospholipid and sphingomyelin profiling of different brain regions in mouse model of anxiety disorder using online two-dimensional (HILIC/RP)-LC/MS method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 149, 308-317	3.5	21
42	Analysis of oxylipins in human plasma: Comparison of ultrahigh-performance liquid chromatography and ultrahigh-performance supercritical fluid chromatography coupled to mass spectrometry. <i>Journal of Chromatography A</i> , 2017 , 1511, 107-121	4.5	20
41	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> , 2009 , 21, 339-48	2.1	20
40	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> , 2009 , 1216, 927-32	4.5	19

39	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> , 2010 , 1217, 1075-82	4.5	18
38	HPLC Enantioseparation of 1-(β Aminobenzyl)-2-naphthol and 2-(β Aminobenzyl)-1-naphthol Analogs on a β Cyclodextrin-Based Chiral Stationary Phase. <i>Chromatographia</i> , 2007 , 65, 337-341	2.1	18
37	Proteome-wide study of endoplasmic reticulum stress induced by thapsigargin in N2a neuroblastoma cells. <i>Neurochemistry International</i> , 2013 , 62, 58-69	4.4	17
36	High-performance liquid chromatographic enantioseparation of alpha-substituted glycine analogs on a quinine-based anion-exchanger chiral stationary phase under variable temperature conditions. <i>Journal of Chromatography A</i> , 2006 , 1120, 61-8	4.5	16
35	High-performance liquid chromatographic chiral separation of beta2-homoamino acids. <i>Chirality</i> , 2009 , 21, 787-98	2.1	15
34	Competition of zinc(II) with cadmium(II) or mercury(II) in binding to a 12-mer peptide. <i>Journal of Inorganic Biochemistry</i> , 2013 , 126, 96-103	4.2	14
33	Diterpene alkaloids from Aconitum anthora and assessment of the hERG-inhibiting ability of Aconitum alkaloids. <i>Planta Medica</i> , 2011 , 77, 368-73	3.1	14
32	Investigation of receptor binding and functional characteristics of hemopressin(1-7). <i>Neuropeptides</i> , 2016 , 58, 15-22	3.3	13
31	Alkylbenzoquinones with antiproliferative effect against human cancer cell lines from stem of Ardisia kivuensis. <i>Phytochemistry Letters</i> , 2011 , 4, 227-230	1.9	12
30	Comparison of Separation Performances of Cellulose-Based Chiral Stationary Phases in LC Enantioseparation of Aminonaphthol Analogues. <i>Chromatographia</i> , 2009 , 70, 723-729	2.1	12
29	Chiral discrimination of β -homo-amino acids using the kinetic method. <i>Journal of Mass Spectrometry</i> , 2010 , 45, 1312-9	2.2	12
28	LC Enantioseparation of Aryl-Substituted β Lactams Using Variable-Temperature Conditions. <i>Chromatographia</i> , 2006 , 63, S29-S35	2.1	11
27	A minimalist chemical model of matrix metalloproteinases--can small peptides mimic the more rigid metal binding sites of proteins?. <i>Journal of Inorganic Biochemistry</i> , 2013 , 126, 61-9	4.2	10
26	High-performance liquid chromatographic enantioseparation of aminonaphthol analogs on polysaccharide-based chiral stationary phases. <i>Journal of Chromatography A</i> , 2010 , 1217, 2980-5	4.5	10
25	LC Enantioseparation of β Amino Acids on a Crown Ether-Based Stationary Phase. <i>Chromatographia</i> , 2008 , 68, 13-18	2.1	9
24	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> , 2010 , 22, 120-8	2.1	8
23	Enantioseparation of phenylalanine analogs on a quinine-based anion-exchanger chiral stationary phase: structure and temperature effects. <i>Journal of Separation Science</i> , 2006 , 29, 2523-32	3.4	8
22	N,N-Dimethyltryptamine attenuates spreading depolarization and restrains neurodegeneration by sigma-1 receptor activation in the ischemic rat brain. <i>Neuropharmacology</i> , 2021 , 192, 108612	5.5	8

21	Enantioselective Liquid Chromatographic Separations Using Macrocyclic Glycopeptide-Based Chiral Selectors. <i>Molecules</i> , 2021 , 26,	4.8	7
20	Kynurenine Pathway Metabolites as Potential Clinical Biomarkers in Coronary Artery Disease.. <i>Frontiers in Immunology</i> , 2021 , 12, 768560	8.4	6
19	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> , 2021 , 193, 113724	3.5	6
18	Liquid Chromatographic Enantioseparations Utilizing Chiral Stationary Phases Based on Crown Ethers and Cyclofructans. <i>Molecules</i> , 2021 , 26,	4.8	4
17	SZR-104, a Novel Kynurenic Acid Analogue with High Permeability through the Blood-Brain Barrier. <i>Pharmaceutics</i> , 2021 , 13,	6.4	4
16	Identification of Iridoids, Flavonoids and Triterpenes from the Methanolic Extract of <i>Melampyrum bihariense</i> A. Kern. and the Antioxidant Activity of the Extract. <i>Chromatographia</i> , 2014 , 77, 1153-1159	2.1	3
15	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> , 2021 ,	2.9	3
14	Plasma phospholipid profiling of a mouse model of anxiety disorder by hydrophilic interaction liquid chromatography coupled to high-resolution mass spectrometry. <i>Biomedical Chromatography</i> , 2018 , 32, e4202	1.7	2
13	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> , 2020 , 191, 113615	3.5	2
12	Antiproliferative Phenanthrenes from : Isolation and Diversity-Oriented Semisynthetic Modification. <i>Molecules</i> , 2020 , 25,	4.8	2
11	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- β -carboline and 1,2,3,4-tetrahydroisoquinoline analogs. <i>Journal of Chromatography A</i> , 2021 , 1644, 462121	4.5	2
10	Clinical symptoms and blood concentration of new psychoactive substances (NPS) in intoxicated and hospitalized patients in the Budapest region of Hungary (2018-19). <i>Clinical Toxicology</i> , 2021 , 1-7	2.9	2
9	Epidemiological data of ovarian cancer in Vojvodina and south great plain region in Hungary in 2007-2012 period: CrossBiomark IPA PROJECT HUSRB/1203/214/091. <i>Archive of Oncology</i> , 2013 , 21, 97-100	0.2	1
8	Magnetic Nanoparticles with Dual Surface Functions-Efficient Carriers for Metalloporphyrin-Catalyzed Drug Metabolite Synthesis in Batch and Continuous-Flow Reactors. <i>Nanomaterials</i> , 2020 , 10,	5.4	1
7	Enantioseparation of β -amino acids by liquid chromatography using core-shell chiral stationary phases based on teicoplanin and teicoplanin aglycone. <i>Journal of Chromatography A</i> , 2021 , 1653, 462383	4.5	1
6	Unique Phenanthrenes from and Their Antiproliferative and Synergistic Effects with the Conventional Anticancer Agent Doxorubicin against Human Cancer Cell Lines.. <i>Pharmaceutics</i> , 2022 , 14,	6.4	1
5	Comparison of separation performances of amylose- and cellulose-based stationary phases in the high-performance liquid chromatographic enantioseparation of stereoisomers of β -lactams. <i>Procedia Chemistry</i> , 2010 , 2, 116-119		0
4	A Commercial Extract of Roots as a Source of Unusual Ecdysteroid Derivatives with Insect Hormone Receptor Binding Activity. <i>Journal of Natural Products</i> , 2021 , 84, 1870-1881	4.9	0

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| 3 | Cinchona-alkaloid-based zwitterionic chiral stationary phases as potential tools for high-performance liquid chromatographic enantioseparation of cationic compounds of pharmaceutical relevance. <i>Journal of Separation Science</i> , 2021 , 44, 2735-2743 | 3-4 | ○ |
| 2 | Enantioselective high-performance liquid chromatographic separation of fluorinated α -phenylalanine derivatives utilizing Cinchona alkaloid-based ion-exchanger chiral stationary phases: Enantioselective separation of fluorinated β -phenylalanine derivatives.. <i>Journal of Chromatography A</i> , 2022 , 1670, 462974 | 4-5 | ○ |
| 1 | Polyoxypregnane Ester Derivatives and Lignans from <i>Euphorbia gossypina</i> var. <i>coccinea</i> Pax.. <i>Plants</i> , 2022 , 11, 1299 | 4-5 | ○ |