

# Robert Berkecz

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Unique Phenanthrenes from and Their Antiproliferative and Synergistic Effects with the Conventional Anticancer Agent Doxorubicin against Human Cancer Cell Lines.. <i>Pharmaceutics</i> , <b>2022</b> , 14,	6.4	1
55	Enantioselective high-performance liquid chromatographic separation of fluorinated $\beta$ phenylalanine derivatives utilizing Cinchona alkaloid-based ion-exchanger chiral stationary phases: Enantioselective separation of fluorinated $\beta$ phenylalanine derivatives.. <i>Journal of Chromatography A</i> , <b>2022</b> , 1670, 462974	4.5	0
54	Polyoxypregnane Ester Derivatives and Lignans from <i>Euphorbia gossypina</i> var. <i>coccinea</i> Pax.. <i>Plants</i> , <b>2022</b> , 11, 1299	4.5	0
53	Kynurenine Pathway Metabolites as Potential Clinical Biomarkers in Coronary Artery Disease.. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 768560	8.4	6
52	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- $\beta$ carboline and 1,2,3,4-tetrahydroisoquinoline analogs. <i>Journal of Chromatography A</i> , <b>2021</b> , 1644, 462121	4.5	2
51	Enantioselective Liquid Chromatographic Separations Using Macrocyclic Glycopeptide-Based Chiral Selectors. <i>Molecules</i> , <b>2021</b> , 26,	4.8	7
50	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> , <b>2021</b> , 1-7	2.9	2
49	A Commercial Extract of Roots as a Source of Unusual Ecdysteroid Derivatives with Insect Hormone Receptor Binding Activity. <i>Journal of Natural Products</i> , <b>2021</b> , 84, 1870-1881	4.9	0
48	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> , <b>2021</b> , 44, 2735-2743	3.4	0
47	N,N-Dimethyltryptamine attenuates spreading depolarization and restrains neurodegeneration by sigma-1 receptor activation in the ischemic rat brain. <i>Neuropharmacology</i> , <b>2021</b> , 192, 108612	5.5	8
46	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
45	Liquid Chromatographic Enantioseparations Utilizing Chiral Stationary Phases Based on Crown Ethers and Cyclofructans. <i>Molecules</i> , <b>2021</b> , 26,	4.8	4
44	Enantioseparation of $\beta$ amino acids by liquid chromatography using core-shell chiral stationary phases based on teicoplanin and teicoplanin aglycone. <i>Journal of Chromatography A</i> , <b>2021</b> , 1653, 462383	4.5	1
43	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
42	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
41	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
40	Magnetic Nanoparticles with Dual Surface Functions-Efficient Carriers for Metalloporphyrin-Catalyzed Drug Metabolite Synthesis in Batch and Continuous-Flow Reactors. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	1

39	Antiproliferative Phenanthrenes from : Isolation and Diversity-Oriented Semisynthetic Modification. <i>Molecules</i> , <b>2020</b> , 25,	4.8	2
38	Fatal intoxication of a regular drug user following N-ethyl-hexedrone and ADB-FUBINACA consumption. <i>Journal of Clinical Forensic and Legal Medicine</i> , <b>2019</b> , 65, 92-100	1.7	22
37	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> , <b>2018</b> , 32, e4202	1.7	2
36	The Role of Lipids and Membranes in the Pathogenesis of Alzheimer's Disease: A Comprehensive View. <i>Current Alzheimer Research</i> , <b>2018</b> , 15, 1191-1212	3	34
35	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> , <b>2018</b> , 149, 308-317	3.5	21
34	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> , <b>2017</b> , 1511, 107-121	4.5	20
33	Investigation of receptor binding and functional characteristics of hemopressin(1-7). <i>Neuropeptides</i> , <b>2016</b> , 58, 15-22	3.3	13
32	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> , <b>2014</b> , 77, 1153-1159	2.1	3
31	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> , <b>2014</b> , 25, 157-69	6.3	42
30	Proteome-wide study of endoplasmic reticulum stress induced by thapsigargin in N2a neuroblastoma cells. <i>Neurochemistry International</i> , <b>2013</b> , 62, 58-69	4.4	17
29	Competition of zinc(II) with cadmium(II) or mercury(II) in binding to a 12-mer peptide. <i>Journal of Inorganic Biochemistry</i> , <b>2013</b> , 126, 96-103	4.2	14
28	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> , <b>2013</b> , 126, 61-9	4.2	10
27	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> , <b>2013</b> , 21, 97-100	0.2	1
26	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> , <b>2012</b> , 28, 667-83	4.3	44
25	Alkylbenzoquinones with antiproliferative effect against human cancer cell lines from stem of <i>Ardisia kivuensis</i> . <i>Phytochemistry Letters</i> , <b>2011</b> , 4, 227-230	1.9	12
24	Diterpene alkaloids from <i>Aconitum anthora</i> and assessment of the hERG-inhibiting ability of <i>Aconitum</i> alkaloids. <i>Planta Medica</i> , <b>2011</b> , 77, 368-73	3.1	14
23	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
22	Chiral discrimination of $\beta$ -homo-amino acids using the kinetic method. <i>Journal of Mass Spectrometry</i> , <b>2010</b> , 45, 1312-9	2.2	12

21	Comparison of separation performances of amylose- and cellulose-based stationary phases in the high-performance liquid chromatographic enantioseparation of stereoisomers of $\beta$ -lactams. <i>Procedia Chemistry</i> , <b>2010</b> , 2, 116-119		0
20	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
19	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
18	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
17	High-performance liquid chromatographic chiral separation of beta2-homoamino acids. <i>Chirality</i> , <b>2009</b> , 21, 787-98	2.1	15
16	HPLC enantioseparation of beta2-homoamino acids using crown ether-based chiral stationary phase. <i>Journal of Separation Science</i> , <b>2009</b> , 32, 981-7	3.4	26
15	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
14	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, 1845-60	4.5	91
13	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
12	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
11	Comparison of performance of Chirobiotic T, T2 and TAG columns in the separation of beta2- and beta3-homoamino acids. <i>Journal of Separation Science</i> , <b>2008</b> , 31, 3688-97	3.4	23
10	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
9	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
8	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
7	HPLC Enantioseparation of 1-( $\beta$ -Aminobenzyl)-2-naphthol and 2-( $\beta$ -Aminobenzyl)-1-naphthol Analogs on a $\beta$ -Cyclodextrin-Based Chiral Stationary Phase. <i>Chromatographia</i> , <b>2007</b> , 65, 337-341	2.1	18
6	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
5	Enantioseparation of phenylalanine analogs on a quinine-based anion-exchanger chiral stationary phase: structure and temperature effects. <i>Journal of Separation Science</i> , <b>2006</b> , 29, 2523-32	3.4	8
4	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> , <b>2006</b> , 1120, 61-8	4.5	16

3	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
2	LC Enantioseparation of Aryl-Substituted $\beta$ -Lactams Using Variable-Temperature Conditions. <i>Chromatographia</i> , <b>2006</b> , 63, S29-S35	2.1	11
1	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