

# JiÅÃ- KlimeÅ;

## List of Publications by Year in descending order

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72  
papers

836  
citations

471061

17  
h-index

642321

23  
g-index

73  
all docs

73  
docs citations

73  
times ranked

888  
citing authors

#	ARTICLE	IF	CITATIONS
1	HPLC study of glimepiride under hydrolytic stress conditions. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 36, 205-209.	1.4	38
2	High-performance liquid chromatographic method with UV photodiode-array, fluorescence and mass spectrometric detection for simultaneous determination of galantamine and its phase I metabolites in biological samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 853, 265-274.	1.2	37
3	Investigation of the stability of aromatic hydrazones in plasma and related biological material. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 47, 360-370.	1.4	35
4	Determination of ibuprofen in erythrocytes and plasma by high performance liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1995, 13, 899-903.	1.4	34
5	Development of high-performance liquid chromatographic determination of salicylaldehyde isonicotinoyl hydrazone in rabbit plasma and application of this method to an in vivo study. <i>Journal of Separation Science</i> , 2005, 28, 1300-1306.	1.3	31
6	The retention behaviour of polar compounds on zirconia based stationary phases under hydrophilic interaction liquid chromatography conditions. <i>Journal of Chromatography A</i> , 2011, 1218, 6981-6986.	1.8	29
7	Dinaciclib, a cyclin-dependent kinase inhibitor, is a substrate of human ABCB1 and ABCG2 and an inhibitor of human ABCC1 in vitro. <i>Biochemical Pharmacology</i> , 2015, 98, 465-472.	2.0	27
8	HPLC-DAD and MS/MS analysis of novel drug candidates from the group of aromatic hydrazones revealing the presence of geometric isomers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 295-302.	1.4	23
9	Simultaneous high-performance liquid chromatographic determination of salicylates in whole blood, plasma and isolated erythrocytes. <i>Biomedical Applications</i> , 1992, 584, 221-228.	1.7	22
10	HPLC evaluation of diclofenac in transdermal therapeutic preparations. <i>International Journal of Pharmaceutics</i> , 2001, 217, 153-160.	2.6	22
11	Titania-based stationary phase in separation of ondansetron and its related compounds. <i>Journal of Chromatography A</i> , 2008, 1189, 83-91.	1.8	19
12	HPLC methods for determination of two novel thiosemicarbazone anti-cancer drugs (N4mT and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 316-322.	1.2	19
13	Photochemical stability of nimesulide. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 31, 827-832.	1.4	18
14	Stability of ramipril in the solvents of different pH. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 1179-1183.	1.4	18
15	HPLC study on stability of pyridoxal isonicotinoyl hydrazone. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 40, 105-112.	1.4	18
16	Hydrophilic interaction liquid chromatography in the separation of a moderately lipophilic drug from its highly polar metabolites—the cardioprotectant dexrazoxane as a model case. <i>Journal of Chromatography A</i> , 2011, 1218, 416-426.	1.8	18
17	Determination of lipophilicity of novel potential antituberculous agents using HPLC on monolithic stationary phase and theoretical calculations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 310-314.	1.4	17
18	Combination of molecular modeling and quantitative structure–activity relationship analysis in the study of antimycobacterial activity of pyridine derivatives. <i>International Journal of Pharmaceutics</i> , 2000, 207, 1-6.	2.6	16

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19	LC-MS/MS identification of the principal in vitro and in vivo phase I metabolites of the novel thiosemicarbazone anti-cancer drug, Bp4eT. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 309-321.	1.9	16
20	Work Productivity and Costs Related to Patients with Ankylosing Spondylitis, Rheumatoid Arthritis, and Psoriasis. <i>Value in Health Regional Issues</i> , 2014, 4, 100-106.	0.5	16
21	Medical and Productivity Costs of Rheumatoid Arthritis in The Czech Republic: Cost-of-Illness Study Based on Disease Severity. <i>Value in Health Regional Issues</i> , 2014, 4, 75-81.	0.5	15
22	Use of the zirconia-based stationary phase for separation of ibuprofen and its impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 38, 609-618.	1.4	14
23	HPLC determination of a novel aroylhydrazone iron chelator (o-108) in rabbit plasma and its application to a pilot pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 838, 107-112.	1.2	14
24	High-performance liquid chromatographic assay for ibuprofen in whole blood using solid-phase extraction. <i>Biomedical Applications</i> , 1994, 654, 282-286.	1.7	13
25	Relationship between structure and reversed-phase thin-layer chromatographic lipophilicity parameters in a group of piperazine derivatives. <i>Journal of Chromatography A</i> , 1997, 766, 165-170.	1.8	13
26	LC-UV/MS methods for the analysis of prochelator Boronyl salicylaldehyde isonicotinoyl hydrazone (BSIH) and its active chelator salicylaldehyde isonicotinoyl hydrazone (SIH). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 105, 55-63.	1.4	13
27	Chromatographic methods for the separation of biocompatible iron chelators from their synthetic precursors and iron chelates. <i>Journal of Separation Science</i> , 2004, 27, 1503-1510.	1.3	12
28	Disposition study of a new potential antineoplastic agent dimefluron in rats using high-performance liquid chromatography with ultraviolet and mass spectrometric detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 1059-1071.	1.4	12
29	Use of different stationary phases for separation of isoniazid, its metabolites and vitamin B6 forms. <i>Journal of Separation Science</i> , 2011, 34, 1357-1365.	1.3	12
30	Microcolumn high-performance liquid chromatographic assay for doxycycline in isolated alveolar macrophages. <i>Journal of Chromatography A</i> , 1999, 846, 181-184.	1.8	11
31	Development and validation of HPLC-DAD methods for the analysis of two novel iron chelators with potent anti-cancer activity. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 1343-1351.	1.4	11
32	Potential employment of non-silica-based stationary phases in pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 44, 1048-1055.	1.4	11
33	Using of HPLC coupled with coulometric detector for the determination of biotin in pharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 45, 730-735.	1.4	11
34	Development of an LC-MS/MS method for analysis of interconvertible Z/E isomers of the novel anticancer agent, Bp4eT. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 161-171.	1.9	10
35	Cost-of-illness analysis and regression modeling in cystic fibrosis: a retrospective prevalence-based study. <i>European Journal of Health Economics</i> , 2017, 18, 73-82.	1.4	10
36	Study of the lipophilicity of potential antituberculosic compounds by reversed-phase thin-layer chromatography. <i>Journal of Planar Chromatography - Modern TLC</i> , 2002, 15, 200-203.	0.6	10

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37	Determination of the lipophilicity of potential antituberculosic compounds by RP-TLC. <i>Journal of Planar Chromatography - Modern TLC</i> , 2006, 19, 422-426.	0.6	10
38	Utilization of zirconia stationary phase as a tool in drug control. <i>Journal of Separation Science</i> , 2005, 28, 1307-1314.	1.3	9
39	Development of LC-MS/MS method for the simultaneous analysis of the cardioprotective drug dexrazoxane and its metabolite ADR-925 in isolated cardiomyocytes and cell culture medium. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 76, 243-251.	1.4	9
40	Zirconia-A stationary phase capable of the separation of polar markers of myocardial metabolism in hydrophilic interaction chromatography. <i>Journal of Separation Science</i> , 2014, 37, 1089-1093.	1.3	9
41	Chromatographic behaviour of dipirydylsulphides Relationship between log $k^{\prime 2}$ values and structure by reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1992, 595, 334-336.	1.8	8
42	A study of the conditions of the supercritical fluid extraction in the analysis of selected anti-inflammatory drugs in plasma. <i>Il Farmaco</i> , 2002, 57, 117-122.	0.9	7
43	Alkaloids from Some Amaryllidaceae Species and Their Cholinesterase Activity. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.2	7
44	Simultaneous determination of the novel thiosemicarbazone anti-cancer agent, Bp4eT, and its main phase I metabolites in plasma: Application to a pilot pharmacokinetic study in rats. <i>Biomedical Chromatography</i> , 2014, 28, 621-629.	0.8	7
45	Relations between Structure and Antituberculosic Activity of 4-Alkoxybenzoic Acids. <i>Collection of Czechoslovak Chemical Communications</i> , 1993, 58, 191-196.	1.0	7
46	Reversed-phase thin-layer chromatographic determination of the lipophilicity of potential antituberculosic compounds. <i>Journal of Planar Chromatography - Modern TLC</i> , 2001, 14, 291-295.	0.6	7
47	Reversed-phase thin-layer chromatographic determination of the lipophilicity of potential antituberculosic compounds. <i>Journal of Planar Chromatography - Modern TLC</i> , 2005, 18, 450-454.	0.6	7
48	Use of chiral liquid chromatography for the evaluation of stereospecificity in the carbonyl reduction of potential benzo[c]fluorene antineoplastics benfluron and dimefluron in various species. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 1049-1057.	1.4	6
49	An innovative approach to the analysis of 3-[4-(2-methylpropyl)phenyl]propanoic acid as an impurity of ibuprofen on a carbon-coated zirconia stationary phase. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 49, 1150-1156.	1.4	6
50	The influence of a carbon layer deposited on a zirconia surface on the retention of polar analytes in an organic rich mobile phase. <i>Journal of Chromatography A</i> , 2012, 1232, 242-247.	1.8	6
51	Identification of in vitro metabolites of the novel anti-tumor thiosemicarbazone, DpC, using ultra-high performance liquid chromatography-quadrupole-time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 1651-1661.	1.9	6
52	Olomoucine II, but Not Purvalanol A, Is Transported by Breast Cancer Resistance Protein (ABCG2) and P-Glycoprotein (ABCB1). <i>PLoS ONE</i> , 2013, 8, e75520.	1.1	6
53	Reversed-Phase High Performance Liquid Chromatographic Determination of Lipophilicity of Potential Antituberculosis Compounds. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004, 27, 2539-2545.	0.5	5
54	Optimization of HPLC chromatographic conditions for determination of Transkarbam 12 and its degradation products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 42, 136-142.	1.4	5

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55	A model of natural degradation of 17- $\beta$ -ethinylestradiol in surface water and identification of degradation products by GC-MS. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23196-23206.	2.7	5
56	DETERMINATION OF LIPOPHILICITY OF POTENTIAL ANTITUBERCULOUS DRUGS BY REVERSED-PHASE HIGH PERFORMANCE LIQUID CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2001, 24, 2257-2265.	0.5	4
57	LIPOPHILICITY CHARACTERIZATION BY REVERSED-PHASE HPLC OF POTENTIAL ANTITUBERCULOTICS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2002, 25, 2849-2856.	0.5	4
58	Identification of Pavinane Alkaloids in the Genera <i>Argemone</i> and <i>Eschscholzia</i> by GC-MS. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200701.	0.2	4
59	High-performance liquid chromatographic determination of terguride in solid dosage forms and plasma. <i>Biomedical Applications</i> , 1995, 663, 309-313.	1.7	3
60	Preliminary pharmaceutico-analytical evaluation of Transkarbam 12 using liquid chromatography. <i>Journal of Separation Science</i> , 2006, 29, 1595-1599.	1.3	3
61	Comparison of different stationary phases for bioanalytical studies of biologically active compounds. <i>Journal of Separation Science</i> , 2006, 29, 2126-2135.	1.3	3
62	Indacaterol/Glycopyrronium versus Salmeterol/Fluticasone in Patients with COPD <sup>Å</sup> A Cost-Effectiveness Analysis in the Czech Republic. <i>Value in Health Regional Issues</i> , 2018, 16, 112-118.	0.5	3
63	Solid-Phase Extraction of Ibuprofen from Pharmaceuticals via Ligand Exchange Using Zirconium Dioxide. <i>Current Analytical Chemistry</i> , 2016, 12, 523-528.	0.6	3
64	HPLC ANALYSIS OF TIAPROFENIC ACID IN THE SAMPLES OF WHOLE BLOOD USING L-L AND S-L EXTRACTIONS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2000, 23, 3191-3201.	0.5	2
65	Development and Validation of an LC <sup>Å</sup> ESI-MS Ion-Trap Method for Analysis of Impurities in Transkarbam 12, a Novel Transdermal Accelerant. <i>Chromatographia</i> , 2009, 69, 977-983.	0.7	2
66	RP-ZrO <sub>2</sub> Stationary Phase as an Alternative to Separate of Doxazosin Impurities. <i>Chromatographia</i> , 2009, 70, 185-189.	0.7	2
67	HPLC analysis of a syrup containing nimesulide and its hydrolytic degradation product. <i>Chemical Papers</i> , 2010, 64, .	1.0	2
68	Isolation and identification of amphetamines in urine by thin-layer chromatography. <i>Journal of Planar Chromatography - Modern TLC</i> , 2008, 21, 465-468.	0.6	1
69	The Retention Behavior of Acidic, Basic and Neutral Pharmaceuticals on the Deactivated Polybutadiene Zirconia Phase. <i>Current Analytical Chemistry</i> , 2012, 8, 574-582.	0.6	1
70	Placental passage of olomoucine II, but not purvalanol A, is affected by p-glycoprotein (ABCB1), breast cancer resistance protein (ABCG2) and multidrug resistance-associated proteins (ABCCs). <i>Xenobiotica</i> , 2016, 46, 416-423.	0.5	1
71	Stability Indicating Method for Determination of Sodium Picosulfate in Pharmaceutical Preparation <sup>Å</sup> Comparison of HPLC, UHPLC and HTLC. <i>Current Pharmaceutical Analysis</i> , 2017, 13, 250-255.	0.3	1
72	High-Performance Liquid Chromatographic Analysis of Kebuzone and Its Metabolites in the Samples of Erythrocytes, Plasma, and Whole Blood. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1995, 18, 2147-2166.	0.9	0