

# Jir Klimes

## List of Publications by Citations

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71  
papers

730  
citations

15  
h-index

20  
g-index

73  
ext. papers

776  
ext. citations

2.9  
avg, IF

3.39  
L-index

#	Paper	IF	Citations
71	Determination of ibuprofen in erythrocytes and plasma by high performance liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1995</b> , 13, 899-903	3.5	33
70	HPLC study of glimepiride under hydrolytic stress conditions. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2004</b> , 36, 205-9	3.5	32
69	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> , <b>2007</b> , 853, 315-74	3.2	30
68	Investigation of the stability of aromatic hydrazones in plasma and related biological material. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 47, 360-70	3.5	30
67	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> , <b>2005</b> , 28, 1300-6	3.4	30
66	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> , <b>2015</b> , 98, 465-72	6	23
65	The retention behaviour of polar compounds on zirconia based stationary phases under hydrophilic interaction liquid chromatography conditions. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 6981-6	4.5	23
64	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> , <b>2008</b> , 48, 295-302	3.5	21
63	HPLC evaluation of diclofenac in transdermal therapeutic preparations. <i>International Journal of Pharmaceutics</i> , <b>2001</b> , 217, 153-60	6.5	19
62	HPLC methods for determination of two novel thiosemicarbazone anti-cancer drugs (N4mT and Dp44mT) in plasma and their application to in vitro plasma stability of these agents. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2009</b> , 877, 316-22	3.2	18
61	Simultaneous high-performance liquid chromatographic determination of salicylates in whole blood, plasma and isolated erythrocytes. <i>Biomedical Applications</i> , <b>1992</b> , 584, 221-228		18
60	HPLC study on stability of pyridoxal isonicotinoyl hydrazone. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 40, 105-12	3.5	17
59	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> , <b>2011</b> , 1218, 416-26	4.5	16
58	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> , <b>2000</b> , 207, 1-6	6.5	16
57	Titania-based stationary phase in separation of ondansetron and its related compounds. <i>Journal of Chromatography A</i> , <b>2008</b> , 1189, 83-91	4.5	15
56	Photochemical stability of nimesulide. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2003</b> , 31, 827-325		15
55	Stability of ramipril in the solvents of different pH. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2005</b> , 37, 1179-83	3.5	15

54	Determination of lipophilicity of novel potential antituberculosic agents using HPLC on monolithic stationary phase and theoretical calculations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 48, 310-4	3.5	14
53	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> , <b>2006</b> , 838, 107-12	3.2	14
52	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> , <b>2012</b> , 403, 309-21	4.4	13
51	Use of the zirconia-based stationary phase for separation of ibuprofen and its impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2005</b> , 38, 609-18	3.5	13
50	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> , <b>2014</b> , 4, 75-81	1.6	12
49	Use of different stationary phases for separation of isoniazid, its metabolites and vitamin B6 forms. <i>Journal of Separation Science</i> , <b>2011</b> , 34, 1357-65	3.4	12
48	Relationship between structure and reversed-phase thin-layer chromatographic lipophilicity parameters in a group of piperazine derivatives. <i>Journal of Chromatography A</i> , <b>1997</b> , 766, 165-170	4.5	12
47	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> , <b>2007</b> , 43, 1343-51	3.5	11
46	Potential employment of non-silica-based stationary phases in pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 44, 1048-55	3.5	11
45	Using of HPLC coupled with coulometric detector for the determination of biotin in pharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 45, 730-5	3.5	11
44	Chromatographic methods for the separation of biocompatible iron chelators from their synthetic precursors and iron chelates. <i>Journal of Separation Science</i> , <b>2004</b> , 27, 1503-10	3.4	11
43	High-performance liquid chromatographic assay for ibuprofen in whole blood using solid-phase extraction. <i>Biomedical Applications</i> , <b>1994</b> , 654, 282-6		11
42	Work Productivity and Costs Related to Patients with Ankylosing Spondylitis, Rheumatoid Arthritis, and Psoriasis. <i>Value in Health Regional Issues</i> , <b>2014</b> , 4, 100-106	1.6	10
41	Microcolumn high-performance liquid chromatographic assay for doxycycline in isolated alveolar macrophages. <i>Journal of Chromatography A</i> , <b>1999</b> , 846, 181-4	4.5	10
40	Study of the lipophilicity of potential antituberculosic compounds by reversed-phase thin-layer chromatography. <i>Journal of Planar Chromatography - Modern TLC</i> , <b>2002</b> , 15, 200-203	0.9	10
39	Determination of the lipophilicity of potential antituberculosic compounds by RP-TLC. <i>Journal of Planar Chromatography - Modern TLC</i> , <b>2006</b> , 19, 422-426	0.9	10
38	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> , <b>2015</b> , 105, 55-63	3.5	9
37	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> , <b>2013</b> , 76, 243-51	3.5	9

36	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> , <b>2005</b> , 37, 1059-71	3.5	9
35	Utilization of zirconia stationary phase as a tool in drug control. <i>Journal of Separation Science</i> , <b>2005</b> , 28, 1307-14	3.4	9
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> , <b>2010</b> , 397, 161-171	4.4	8
33	Chromatographic behaviour of dipyritylsulphides Relationship between log k <sub>2</sub> values and structure by reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , <b>1992</b> , 595, 334-336	4.5	8
32	Cost-of-illness analysis and regression modeling in cystic fibrosis: a retrospective prevalence-based study. <i>European Journal of Health Economics</i> , <b>2017</b> , 18, 73-82	3.6	7
31	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> , <b>2014</b> , 28, 621-9	1.7	7
30	A study of the conditions of the supercritical fluid extraction in the analysis of selected anti-inflammatory drugs in plasma. <i>Il Farmaco</i> , <b>2002</b> , 57, 117-22		7
29	Reversed-phase thin-layer chromatographic determination of the lipophilicity of potential antituberculosic compounds. <i>Journal of Planar Chromatography - Modern TLC</i> , <b>2001</b> , 14, 291-295	0.9	7
28	Reversed-phase thin-layer chromatographic determination of the lipophilicity of potential antituberculosic compounds. <i>Journal of Planar Chromatography - Modern TLC</i> , <b>2005</b> , 18, 450-454	0.9	7
27	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> , <b>2012</b> , 1232, 242-7	4.5	6
26	Olomoucine II, but not purvalanol A, is transported by breast cancer resistance protein (ABCG2) and P-glycoprotein (ABCB1). <i>PLoS ONE</i> , <b>2013</b> , 8, e75520	3.7	6
25	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> , <b>2009</b> , 49, 1150-6	3.5	6
24	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> , <b>2005</b> , 37, 1049-57	3.5	6
23	Relations between Structure and Antituberculosic Activity of 4-Alkoxybenzoic Acids. <i>Collection of Czechoslovak Chemical Communications</i> , <b>1993</b> , 58, 191-196		6
22	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> , <b>2013</b> , 405, 1651-61	4.4	5
21	Alkaloids from Some Amaryllidaceae Species and Their Cholinesterase Activity. <i>Natural Product Communications</i> , <b>2012</b> , 7, 1934578X1200700	0.9	5
20	Optimization of HPLC chromatographic conditions for determination of Transkarbam 12 and its degradation products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 42, 136-42	3.5	5
19	Reversed-Phase High Performance Liquid Chromatographic Determination of Lipophilicity of Potential Antituberculosis Compounds. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2004</b> , 27, 2539-2545	1.3	5

18	Zirconia--a stationary phase capable of the separation of polar markers of myocardial metabolism in hydrophilic interaction chromatography. <i>Journal of Separation Science</i> , <b>2014</b> , 37, 1089-93	3.4	4
17	DETERMINATION OF LIPOPHILICITY OF POTENTIAL ANTITUBERCULOUS DRUGS BY REVERSED-PHASE HIGH PERFORMANCE LIQUID CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2001</b> , 24, 2257-2265	1.3	4
16	LIPOPHILICITY CHARACTERIZATION BY REVERSED-PHASE HPLC OF POTENTIAL ANTITUBERCULOTICS. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2002</b> , 25, 2849-2856	1.3	4
15	Preliminary pharmaceutico-analytical evaluation of transkarbam 12 using liquid chromatography. <i>Journal of Separation Science</i> , <b>2006</b> , 29, 1595-9	3.4	3
14	Comparison of different stationary phases for bioanalytical studies of biologically active compounds. <i>Journal of Separation Science</i> , <b>2006</b> , 29, 2126-35	3.4	3
13	High-performance liquid chromatographic determination of terguride in solid dosage forms and plasma. <i>Biomedical Applications</i> , <b>1995</b> , 663, 309-13		3
12	Solid-Phase Extraction of Ibuprofen from Pharmaceuticals via Ligand Exchange Using Zirconium Dioxide. <i>Current Analytical Chemistry</i> , <b>2016</b> , 12, 523-528	1.7	3
11	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> , <b>2017</b> , 24, 23196-23206	5.1	2
10	RP-ZrO <sub>2</sub> Stationary Phase as an Alternative to Separate of Doxazosin Impurities. <i>Chromatographia</i> , <b>2009</b> , 70, 185-189	2.1	2
9	HPLC analysis of a syrup containing nimesulide and its hydrolytic degradation product. <i>Chemical Papers</i> , <b>2010</b> , 64,	1.9	2
8	Identification of Pavinane Alkaloids in the Genera Argemone and Eschscholzia by GC-MS. <i>Natural Product Communications</i> , <b>2012</b> , 7, 1934578X1200701	0.9	1
7	Development and Validation of an LCESI-MS Ion-Trap Method for Analysis of Impurities in Transkarbam 12, a Novel Transdermal Accelerant. <i>Chromatographia</i> , <b>2009</b> , 69, 977-983	2.1	1
6	The Retention Behavior of Acidic, Basic and Neutral Pharmaceuticals on the Deactivated Polybutadiene Zirconia Phase. <i>Current Analytical Chemistry</i> , <b>2012</b> , 8, 574-582	1.7	1
5	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> , <b>2000</b> , 23, 3191-3201	1.3	1
4	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> , <b>2016</b> , 46, 416-23	2	1
3	Indacaterol/Glycopyrronium versus Salmeterol/Fluticasone in Patients with COPD-A Cost-Effectiveness Analysis in the Czech Republic. <i>Value in Health Regional Issues</i> , <b>2018</b> , 16, 112-118	1.6	1
2	Isolation and identification of amphetamines in urine by thin-layer chromatography. <i>Journal of Planar Chromatography - Modern TLC</i> , <b>2008</b> , 21, 465-468	0.9	0
1	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> , <b>1995</b> , 18, 2147-2166		

