

Alina Plenis

List of Publications by Year in descending order

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61
papers

733
citations

567281

15
h-index

642732

23
g-index

61
all docs

61
docs citations

61
times ranked

909
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of diclofenac in plasma by high-performance liquid chromatography with electrochemical detection. <i>Biomedical Chromatography</i> , 2006, 20, 119-124.	1.7	44
2	Sensitive quantification of chosen drugs by reversed-phase chromatography with electrochemical detection at a glassy carbon electrode. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 839, 102-111.	2.3	42
3	Optimization and validation of the micellar electrokinetic capillary chromatographic method for simultaneous determination of sulfonamide and amphenicol-type drugs in poultry tissue. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 54, 160-167.	2.8	42
4	Recent Trends in the Quantification of Biogenic Amines in Biofluids as Biomarkers of Various Disorders: A Review. <i>Journal of Clinical Medicine</i> , 2019, 8, 640.	2.4	31
5	Comparative evaluation between capillary electrophoresis and high-performance liquid chromatography for the analysis of florfenicol in plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 39, 983-989.	2.8	27
6	Simultaneous determination of urinary cortisol, cortisone and corticosterone in parachutists, depressed patients and healthy controls in view of biomedical and pharmacokinetic studies. <i>Molecular BioSystems</i> , 2011, 7, 1487.	2.9	27
7	Optimization of LC method for the determination of testosterone and epitestosterone in urine samples in view of biomedical studies and anti-doping research studies. <i>Talanta</i> , 2011, 83, 804-814.	5.5	24
8	Chemometric optimization of derivatization reactions prior to gas chromatography–mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2013, 1296, 164-178.	3.7	22
9	RP-HPLC method with electrochemical detection for the determination of metoclopramide in serum and its use in pharmacokinetic studies. <i>Biomedical Chromatography</i> , 2001, 15, 513-517.	1.7	21
10	Comparison of HPLC and CE methods for the determination of cetirizine dihydrochloride in human plasma samples. <i>Biomedical Chromatography</i> , 2007, 21, 903-911.	1.7	20
11	Determination of urinary biogenic aminesâ€™ biomarker profile in neuroblastoma and pheochromocytoma patients by MEKC method with preceding dispersive liquid–liquid microextraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1036-1037, 114-123.	2.3	20
12	Development of the HPLC Method for Simultaneous Determination of Lidocaine Hydrochloride and Tribenoside Along with Their Impurities Supported by the QSRR Approach. <i>Chromatographia</i> , 2013, 76, 255-265.	1.3	19
13	Optimization of LC method for the quantification of doxorubicin in plasma and urine samples in view of pharmacokinetic, biomedical and drug monitoring therapy studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 158, 376-385.	2.8	19
14	Modern chromatographic and electrophoretic measurements of antidepressants and their metabolites in biofluids. <i>Biomedical Chromatography</i> , 2011, 25, 164-198.	1.7	18
15	Cyclodextrin-modified MEKC method for quantification of selected acidic metabolites of catecholamines in the presence of various biogenic amines. Application to diagnosis of neuroblastoma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1003, 27-34.	2.3	17
16	Development and validation of a high-performance liquid chromatographic method with a fluorescence detector for the analysis of epirubicin in human urine and plasma, and its application in drug monitoring. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1136, 121910.	2.3	16
17	The Influence of Ionic Liquids on the Effectiveness of Analytical Methods Used in the Monitoring of Human and Veterinary Pharmaceuticals in Biological and Environmental Samples—Trends and Perspectives. <i>Molecules</i> , 2020, 25, 286.	3.8	16
18	Determination of twenty pharmaceutical contaminants in soil using ultrasound-assisted extraction with gas chromatography–mass spectrometric detection. <i>Chemosphere</i> , 2019, 232, 232-242.	8.2	15

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19	Poultry Farms as a Potential Source of Environmental Pollution by Pharmaceuticals. <i>Molecules</i> , 2020, 25, 1031.	3.8	15
20	Micellar electrokinetic chromatography for the determination of cortisol in urine samples in view of biomedical studies. <i>Electrophoresis</i> , 2010, 31, 2356-2364.	2.4	13
21	The comparison of two column classification systems during the chromatographic analysis of steroids. <i>Journal of Separation Science</i> , 2011, 34, 3310-3321.	2.5	13
22	Evaluation of a column classification method using the separation of alfuzosin from its related substances. <i>Journal of Chromatography A</i> , 2012, 1229, 198-207.	3.7	13
23	Application of a column classification method in a selectivity study involving caffeine and its related impurities. <i>Talanta</i> , 2012, 99, 492-501.	5.5	12
24	Combination of field amplified sample injection and hydrophobic interaction electrokinetic chromatography (FASI-HIEKC) as a signal amplification method for the determination of selected macrocyclic antibiotics. <i>Analytica Chimica Acta</i> , 2019, 1046, 192-198.	5.4	11
25	Assessment of Lipophilicity Descriptors of Selected NSAIDs Obtained at Different TLC Stationary Phases. <i>Pharmaceutics</i> , 2021, 13, 440.	4.5	11
26	Optimization and validation of capillary electrophoretic method for the analysis of amphenicols in poultry tissues. <i>Acta Poloniae Pharmaceutica</i> , 2008, 65, 45-50.	0.1	11
27	A validated high-performance liquid chromatographic method for the determination of moclobemide and its two metabolites in human plasma and application to pharmacokinetic studies. <i>Biomedical Chromatography</i> , 2007, 21, 958-966.	1.7	10
28	Classification of LC columns based on the QSRR method and selectivity toward moclobemide and its metabolites. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 78-79, 161-169.	2.8	10
29	Capillary electromigration techniques as tools for assessing the status of vitamins A, C and E in patients with cystic fibrosis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 102, 45-53.	2.8	10
30	Ionic liquids as signal amplifiers for the simultaneous extraction of several neurotransmitters determined by micellar electrokinetic chromatography. <i>Talanta</i> , 2018, 186, 119-123.	5.5	10
31	Application of SPME supported by ionic liquids for the determination of biogenic amines by MEKC in clinical practice. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 173, 24-30.	2.8	10
32	Gel electrophoretic separation of proteins from cultured neuroendocrine tumor cell lines. <i>Molecular Medicine Reports</i> , 2015, 11, 1407-1415.	2.4	9
33	Evaluation of various approaches to the isolation of steroid hormones from urine samples prior to FASS&MEKC analysis. <i>Electrophoresis</i> , 2017, 38, 1632-1643.	2.4	9
34	Rapid RP-LC Method with Fluorescence Detection for Analysis of Fexofenadine in Human Plasma. <i>Chromatographia</i> , 2010, 71, 1081-1086.	1.3	8
35	Chemometric evaluation of the column classification system during the pharmaceutical analysis of lamotrigine and its related substances. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6529-6541.	3.7	8
36	Development and Validation of Electromigration Technique for the Determination of Lincomycin and Clindamycin Residues in Poultry Tissues. <i>Food Analytical Methods</i> , 2014, 7, 276-282.	2.6	8

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37	Comparison of core-shell and totally porous ultra high performance liquid chromatographic stationary phases based on their selectivity towards alfuzosin compounds. <i>Journal of Chromatography A</i> , 2014, 1346, 69-77.	3.7	8
38	Simultaneous electrokinetic and hydrodynamic injection and sequential stacking featuring sweeping for signal amplification following MEKC during the analysis of rapamycin (sirolimus) in serum samples. <i>Electrophoresis</i> , 2018, 39, 2590-2597.	2.4	8
39	Chemometric analysis for optimizing derivatization in gas chromatography-based procedures. <i>Journal of Chemometrics</i> , 2011, 25, 636-643.	1.3	7
40	Assessment of column selection systems using Partial Least Squares. <i>Journal of Chromatography A</i> , 2015, 1420, 74-82.	3.7	7
41	Comparison of Three Extraction Approaches for the Isolation of Neurotransmitters from Rat Brain Samples. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1560.	4.1	7
42	Extraction and preconcentration of compounds from the l-tyrosine metabolic pathway prior to their micellar electrokinetic chromatography separation. <i>Journal of Chromatography A</i> , 2020, 1620, 461032.	3.7	7
43	The critical evaluation of the effects of imidazolium-based ionic liquids on the separation efficiency of selected biogenic amines and their metabolites during MEKC analysis. <i>Talanta</i> , 2022, 238, 122997.	5.5	6
44	Biomedical Evaluation of Cortisol, Cortisone, and Corticosterone along with Testosterone and Epitestosterone Applying Micellar Electrokinetic Chromatography. <i>Scientific World Journal</i> , The, 2012, 2012, 1-8.	2.1	5
45	The advances of electromigration techniques applied for alkaloid analysis. <i>Biomedical Chromatography</i> , 2013, 27, 1312-1338.	1.7	5
46	Chemometric Evaluation of Urinary Steroid Hormone Levels as Potential Biomarkers of Neuroendocrine Tumors. <i>Molecules</i> , 2013, 18, 12857-12876.	3.8	5
47	Determination of Bendamustine in Human Plasma and Urine by LC-FL Methods: Application in a Drug Monitoring. <i>Chromatographia</i> , 2016, 79, 861-873.	1.3	5
48	Optimization and comparison of two microsampling approaches for LC-MS/MS analysis of a panel of immunosuppressants in blood samples. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 21, 100433.	3.3	5
49	Quantification of the Salivary Steroid Hormones Considered as Bio-markers in Clinical Research Studies and Sports Medicine. <i>Current Pharmaceutical Analysis</i> , 2010, 6, 182-197.	0.6	5
50	SIMULTANEOUS DETERMINATION OF CORTISOL, CORTISONE, AND CORTICOSTERONE IN HUMAN PLASMA OF PARACHUTISTS IN VIEW OF PHARMACOKINETIC STUDIES. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 33, 1613-1629.	1.0	4
51	Control of retention mechanisms on an octadecyl-bonded silica column using ionic liquid-based mobile phase in analysis of cytostatic drugs by liquid chromatography. <i>Journal of Chromatography A</i> , 2021, 1651, 462257.	3.7	4
52	Rapid analysis of loratadine in human serum by high-performance liquid chromatography with fluorescence detection. <i>Acta Chromatographica</i> , 2010, 22, 69-79.	1.3	4
53	Dynamic double coating, electrophoretic method with indirect detection for the simultaneous quantification of mono- and divalent cations in various water samples. <i>Electrophoresis</i> , 2017, 38, 477-485.	2.4	3
54	Column Selection for Biomedical Analysis Supported by Column Classification Based on Four Test Parameters. <i>International Journal of Molecular Sciences</i> , 2016, 17, 136.	4.1	2

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55	Sensitive Analysis of Idarubicin in Human Urine and Plasma by Liquid Chromatography with Fluorescence Detection: An Application in Drug Monitoring. <i>Molecules</i> , 2020, 25, 5799.	3.8	2
56	Strategies for the Assessment of Metabolic Profiles of Steroid Hormones in View of Diagnostics and Drug Monitoring: Analytical Problems and Challenges. <i>Current Drug Metabolism</i> , 2016, 17, 703-720.	1.2	1
57	Simultaneous determination of mitotane, its metabolite, and five steroid hormones in urine samples by capillary electrophoresis using β -CD 2 SDS 1 complexes as hydrophobic compounds solubilizers. <i>Electrophoresis</i> , 2021, , .	2.4	1
58	Raw Meat Contaminated with Cephalosporin-Resistant Enterobacterales as a Potential Source of Human Home Exposure to Multidrug-Resistant Bacteria. <i>Molecules</i> , 2022, 27, 4151.	3.8	1
59	Rapid and sensitive RP-LC method with amperometric detection for pharmacokinetic assessment of propafenone in human serum of healthy volunteers. <i>Journal of Analytical Chemistry</i> , 2010, 65, 1164-1169.	0.9	0
60	New Materials Applied for the Stationary Phases in View of the Optimized HPLC and UHPLC Column Classification System Used in the Pharmaceutical Analysis. <i>Advanced Materials Research</i> , 0, 1120-1121, 1404-1412.	0.3	0
61	Nanoemulsion supported microemulsion electrokinetic chromatography coupled with selected preconcentration techniques as an approach for analysis of highly hydrophobic compounds. <i>Journal of Chromatography A</i> , 2022, , 463339.	3.7	0