AnÄ‘elija M MalenoviÄ

List of Publications by Year
in descending order

57 papers	785 citations	471509 17 h-index	580821 25 g-index
57 all docs	57 docs citations	57 times ranked	865 citing authors

#	Article	IF	Citations
1	Modified aqueous mobile phases: A way to improve retention behavior of active pharmaceutical compounds and their impurities in liquid chromatography. Journal of Chromatography Open, 2022, 2, 100023.	2.2	9
2	Influence of spray-drying process on properties of chitosan/xanthan gum polyelectrolyte complexes as carriers for oral delivery of ibuprofen. Arhiv Za Farmaciju, 2022, 72, 36-60.	0.5	3
3	Chitosan/Sodium Dodecyl Sulfate Complexes for Microencapsulation of Vitamin E and Its Release Profileâ€"Understanding the Effect of Anionic Surfactant. Pharmaceuticals, 2022, 15, 54.	3.8	8
4	Effect of ibuprofen entrapment procedure on physicochemical and controlled drug release performances of chitosan/xanthan gum polyelectrolyte complexes. International Journal of Biological Macromolecules, 2021, 167, 547-558.	7.5	21
5	Corona Charged Aerosol Detector in studying retention and Î²-cyclodextrin complex stability using RP-HPLC. Journal of Pharmaceutical and Biomedical Analysis, 2021, 193, 113711.	2.8	1
6	Generic Approach in a Gradient Elution HPLC Method Development that enables troubleshooting free method transfer. Journal of Pharmaceutical and Biomedical Analysis, 2021, 207, 114367.	2.8	0
7	PDA-CAD method for the determination of magnesium, pyridoxine and thiamine in a dietary supplement supported by analytical quality by design methodology. Arhiv Za Farmaciju, 2021, 71, 378-392.	0.5	1
8	Analytical quality by design development of an ecologically acceptable enantioselective HPLC method for timolol maleate enantiomeric purity testing on ovomucoid chiral stationary phase. Journal of Pharmaceutical and Biomedical Analysis, 2020, 180, 113034.	2.8	18
9	Chaotropic chromatography method development for the determination of aripiprazole and its impurities following analytical quality by design principles. Journal of Separation Science, 2020, 43, 3242-3250.	2.5	11
10	Quantitative structure retention relationship modeling as potential tool in chromatographic determination of stability constants and thermodynamic parameters of Î²-cyclodextrin complexation process. Journal of Chromatography A, 2020, 1619, 460971.	3.7	6
11	Chaotropic effect of trifluoroacetic and perchloric acid on B-cyclodextrin inclusion complexation process with risperidone, olanzapine and their selected impurities. Arhiv Za Farmaciju, 2020, 70, 360-376.	0.5	0
12	Hematocrit effect on dried blood spots in adults: a computational study and theoretical considerations. Scandinavian Journal of Clinical and Laboratory Investigation, 2019, 79, 325-333.	1.2	19
13	Identification of the factors affecting the retention of weak acid solutes in hybrid micellar systems with cetyltrimethylammonium bromide. Journal of Liquid Chromatography and Related Technologies, 2019, 42, 45-53.	1.0	1
14	Identification of the factors affecting the consistency of DBS formation via experimental design and image processing methodology. Microchemical Journal, 2019, 145, 1003-1010.	4.5	6
15	Comparison of AQbD and grid point search methodology in the development of micellar HPLC method for the analysis of cilazapril and hydrochlorothiazide dosage form stability. Microchemical Journal, 2019, 145, 655-663.	4.5	20
16	Robust Optimization of Chaotropic Chromatography Assay for Lamotrigine and its Two Impurities in Tablets. Chromatographia, 2019, 82, 565-577.	1.3	7
17	Analysis of potential genotoxic impurities in rabeprazole active pharmaceutical ingredient via Liquid Chromatography-tandem Mass Spectrometry, following quality-by-design principles for method development. Journal of Pharmaceutical and Biomedical Analysis, 2018, 149, 410-418.	2.8	17
18	Characterization of bonded stationary phase performance as a function of qualitative and quantitative chromatographic factors in chaotropic chromatography with risperidone and its impurities as model substances. Analytical and Bioanalytical Chemistry, 2018, 410, 4855-4866.	3.7	3

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19	Simple and Efficient Solution for Robustness Testing in Gradient Elution Liquid Chromatographic Methods. Chromatographia, 2018, 81, 1135-1145.	1.3	4
20	Design of Experimentsâ€“Design Space Approach for Development of Chaotropic Chromatography Method for Determination of Trimetazidine Dihydrochloride and Two Impurities. Chromatographia, 2017, 80, 585-592.	1.3	9
21	Influence of the mobile phase and molecular structure parameters on the retention behavior of protonated basic solutes in chaotropic chromatography. Journal of Chromatography A, 2017, 1511, 68-76.	3.7	2
22	Chemometrically assisted development and validation of LCâ€“MS/MS method for the analysis of potential genotoxic impurities in meropenem active pharmaceutical ingredient. Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 307-314.	2.8	17
23	Using a Combination of Experimental and Mathematical Method To Explore Critical Micelle Concentration of a Cationic Surfactant. Journal of Chemical Education, 2016, 93, 1277-1281.	2.3	14
24	Quantitation of brinzolamide in dried blood spots by a novel LC-QTOF-MS/MS method. Journal of Pharmaceutical and Biomedical Analysis, 2016, 119, 84-90.	2.8	10
25	Investigation into the phenomena affecting the retention behavior of basic analytes in chaotropic chromatography: Joint effects of the most relevant chromatographic factors and analytesâ€™ molecular properties. Journal of Chromatography A, 2015, 1425, 150-157.	3.7	11
26	The influence of salt chaotropicity, column hydrophobicity and analytesâ€™ molecular properties on the retention of pramipexole and its impurities. Journal of Chromatography A, 2015, 1386, 39-46.	3.7	7
27	Quantitation of pregabalin in dried blood spots and dried plasma spots by validated LCâ€“MS/MS methods. Journal of Pharmaceutical and Biomedical Analysis, 2015, 109, 79-84.	2.8	34
28	Development of liquid chromatographic method for the analysis of dabigatran etexilate mesilate and its ten impurities supported by quality-by-design methodology. Journal of Pharmaceutical and Biomedical Analysis, 2015, 111, 7-13.	2.8	29
29	Chaotropic salts in liquid chromatographic method development for the determination of pramipexole and its impurities following quality-by-design principles. Journal of Pharmaceutical and Biomedical Analysis, 2015, 102, 314-320.	2.8	21
30	Chemometrical Tools in the Study of the Retention Behavior of Azole Antifungals. Journal of Chromatographic Science, 2014, 52, 95-102.	1.4	3
31	The influence of inorganic salts with chaotropic properties on the chromatographic behavior of ropinirole and its two impurities. Talanta, 2014, 123, 122-127.	5.5	13
32	Testing the capability of a polynomialâ€•modified gaussian model in the description and simulation of chromatographic peaks of amlodipine and its impurity in ionâ€•interaction chromatography. Journal of Separation Science, 2014, 37, 1797-1804.	2.5	4
33	CRITICAL REVIEW ON THE ANALYTICAL METHODS FOR THE DETERMINATION OF ZWITTERIONIC ANTIEPILEPTIC DRUGSâ€”VIGABATRIN, PREGABALIN, AND GABAPENTINâ€”IN BULK AND FORMULATIONS. Instrumentation Science and Technology, 2014, 42, 486-512.	1.8	11
34	Vigabatrin in dried plasma spots: Validation of a novel LCâ€“MS/MS method and application to clinical practice. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 962, 102-108.	2.3	12
35	Effects of derivatization reagents consisting of n-alkyl chloroformate/n-alcohol combinations in LCâ€“ESI-MS/MS analysis of zwitterionic antiepileptic drugs. Talanta, 2013, 116, 91-99.	5.5	17
36	Investigation of adsorption and release of diclofenac sodium by modified zeolites composites. Applied Clay Science, 2013, 83-84, 322-326.	5.2	29

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37	Evaluation of RP-HPLC Method Intended for the Analysis of Cefuroxime Axetil and ITS Impurities Supported by Experimental Design. Chromatographia, 2013, 76, 293-298.	1.3	1
38	Chemometrically assissted optimization and validation of RP-HPLC method for the analysis of itraconazole and its impurities. Acta Pharmaceutica, 2013, 63, 159-173.	2.0	11
39	Evaluation of Seven Chromatographic Response Functions on Simulated and Experimentally Obtained Chromatograms in Hydrophilic Interaction Liquid Chromatography System. Analytical Letters, 2013, 46, 1198-1212.	1.8	3
40	Stepwise optimization approach for improving LCâ€MS/MS analysis of zwitterionic antiepileptic drugs with implementation of experimental design. Journal of Mass Spectrometry, 2013, 48, 875-884.	1.6	21
41	Chaotropic agents in liquid chromatographic method development for the simultaneous analysis of levodopa, carbidopa, entacapone and their impurities. Journal of Pharmaceutical and Biomedical Analysis, 2013, 77, 9-15.	2.8	23
42	Five different columns in the analysis of basic drugs in hydrophilic interaction liquid chromatography. Open Chemistry, 2013, 11, 1150-1162.	1.9	5
43	Physicochemical factors governing the partition of pramipexole and its five impurities in microemulsion liquid chromatographic systems. Journal of the Brazilian Chemical Society, 2012, , .	0.6	3
44	Improved chromatographic response function in HILIC analysis: Application to mixture of antidepressants. Talanta, 2012, 98, 54-61.	5.5	20
45	OPTIMIZATION OF LIQUID CHROMATOGRAPHIC METHOD FOR THE SEPARATION OF FOLIC ACID AND ITS TWO IMPURITIES. Instrumentation Science and Technology, 2012, 40, 138-149.	1.8	4
46	INVESTIGATION OF TROPICAMIDE AND BENZALKONIUM CHLORIDE STABILITY USING LIQUID CHROMATOGRAPHY. Journal of Liquid Chromatography and Related Technologies, 2012, 35, 231-239.	1.0	6
47	Assessment of Î²â€lactams retention in hydrophilic interaction chromatography applying <scp>B</scp>oxâ€“<scp>B</scp>ehnken <scp>D</scp>esign. Journal of Separation Science, 2012, 35, 1424-1431.	2.5	11
48	Avoiding the False Negative Results in LC Method Robustness Testing by Modifications of the Algorithm of Dong and Dummy Factor Effects Approach. Chromatographia, 2012, 75, 397-401.	1.3	4
49	Validation of an Oil-in-Water Microemulsion Liquid Chromatography Method for Analysis of Perindopril tert-Butylamine and Its Impurities. Journal of AOAC INTERNATIONAL, 2011, 94, 723-734.	1.5	10
50	Desirability-based optimization and its sensitivity analysis for the perindopril and its impurities analysis in a microemulsion LC system. Microchemical Journal, 2011, 99, 454-460.	4.5	53
51	Optimization of Artificial Neural Networks for Modeling of Atorvastatin and Its Impurities Retention in Micellar Liquid Chromatography. Chromatographia, 2011, 73, 993-998.	1.3	17
52	Properties of diclofenac sodium sorption onto natural zeolite modified with cetylpyridinium chloride. Colloids and Surfaces B: Biointerfaces, 2011, 83, 165-172.	5.0	105
53	Factorial Design in Optimization of Chromatographic Separation of Ramipril and Its Impurities. Chromatographia, 2010, 71, 799-804.	1.3	3
54	Cationic surfactants-modified natural zeolites: improvement of the excipients functionality. Drug Development and Industrial Pharmacy, 2010, 36, 1215-1224.	2.0	29

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55	FORCED DEGRADATION STUDIES OF SIMVASTATIN USING MICROEMULSION LIQUID CHROMATOGRAPHY. Journal of Liquid Chromatography and Related Technologies, 2010, 33, 536-547.	1.0	13
56	Monitoring of Impurity Level of Valsartan and Hydrochlorothiazide Employing an RPâ€“HPLC Gradient Mode. Journal of Liquid Chromatography and Related Technologies, 2007, 30, 2879-2890.	1.0	20
57	Microemulsion liquid chromatographic method for characterisation of fosinopril sodium and fosinoprilat separation with chemometrical support. Analytical and Bioanalytical Chemistry, 2005, 383, 687-694.	3.7	25