

# AnÄ‘elija M MalenoviÄ

## List of Publications by Year in descending order

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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	Properties of diclofenac sodium sorption onto natural zeolite modified with cetylpyridinium chloride. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 83, 165-172.	5.0	105
2	Desirability-based optimization and its sensitivity analysis for the perindopril and its impurities analysis in a microemulsion LC system. <i>Microchemical Journal</i> , 2011, 99, 454-460.	4.5	53
3	Quantitation of pregabalin in dried blood spots and dried plasma spots by validated LC-MS/MS methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 109, 79-84.	2.8	34
4	Cationic surfactants-modified natural zeolites: improvement of the excipients functionality. <i>Drug Development and Industrial Pharmacy</i> , 2010, 36, 1215-1224.	2.0	29
5	Investigation of adsorption and release of diclofenac sodium by modified zeolites composites. <i>Applied Clay Science</i> , 2013, 83-84, 322-326.	5.2	29
6	Development of liquid chromatographic method for the analysis of dabigatran etexilate mesilate and its ten impurities supported by quality-by-design methodology. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 111, 7-13.	2.8	29
7	Microemulsion liquid chromatographic method for characterisation of fosinopril sodium and fosinoprilat separation with chemometrical support. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 383, 687-694.	3.7	25
8	Chaotropic agents in liquid chromatographic method development for the simultaneous analysis of levodopa, carbidopa, entacapone and their impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 77, 9-15.	2.8	23
9	Stepwise optimization approach for improving LC-MS/MS analysis of zwitterionic antiepileptic drugs with implementation of experimental design. <i>Journal of Mass Spectrometry</i> , 2013, 48, 875-884.	1.6	21
10	Chaotropic salts in liquid chromatographic method development for the determination of pramipexole and its impurities following quality-by-design principles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 102, 314-320.	2.8	21
11	Effect of ibuprofen entrapment procedure on physicochemical and controlled drug release performances of chitosan/xanthan gum polyelectrolyte complexes. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 547-558.	7.5	21
12	Monitoring of Impurity Level of Valsartan and Hydrochlorothiazide Employing an RP-HPLC Gradient Mode. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 30, 2879-2890.	1.0	20
13	Improved chromatographic response function in HILIC analysis: Application to mixture of antidepressants. <i>Talanta</i> , 2012, 98, 54-61.	5.5	20
14	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. <i>Microchemical Journal</i> , 2019, 145, 655-663.	4.5	20
15	Hematocrit effect on dried blood spots in adults: a computational study and theoretical considerations. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2019, 79, 325-333.	1.2	19
16	Analytical quality by design development of an ecologically acceptable enantioselective HPLC method for timolol maleate enantiomeric purity testing on ovomucoid chiral stationary phase. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 180, 113034.	2.8	18
17	Optimization of Artificial Neural Networks for Modeling of Atorvastatin and Its Impurities Retention in Micellar Liquid Chromatography. <i>Chromatographia</i> , 2011, 73, 993-998.	1.3	17
18	Effects of derivatization reagents consisting of n-alkyl chloroformate/n-alcohol combinations in LC-ESI-MS/MS analysis of zwitterionic antiepileptic drugs. <i>Talanta</i> , 2013, 116, 91-99.	5.5	17

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19	Chemometrically assisted development and validation of LC-MS/MS method for the analysis of potential genotoxic impurities in meropenem active pharmaceutical ingredient. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 145, 307-314.	2.8	17
20	Analysis of potential genotoxic impurities in rabeprazole active pharmaceutical ingredient via Liquid Chromatography-tandem Mass Spectrometry, following quality-by-design principles for method development. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 410-418.	2.8	17
21	Using a Combination of Experimental and Mathematical Method To Explore Critical Micelle Concentration of a Cationic Surfactant. <i>Journal of Chemical Education</i> , 2016, 93, 1277-1281.	2.3	14
22	FORCED DEGRADATION STUDIES OF SIMVASTATIN USING MICROEMULSION LIQUID CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 33, 536-547.	1.0	13
23	The influence of inorganic salts with chaotropic properties on the chromatographic behavior of ropinirole and its two impurities. <i>Talanta</i> , 2014, 123, 122-127.	5.5	13
24	Vigabatrin in dried plasma spots: Validation of a novel LC-MS/MS method and application to clinical practice. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 962, 102-108.	2.3	12
25	Assessment of $\beta$ -lactams retention in hydrophilic interaction chromatography applying <math>D</math>-design. <i>Journal of Separation Science</i> , 2012, 35, 1424-1431.	2.5	11
26	Chemometrically assisted optimization and validation of RP-HPLC method for the analysis of itraconazole and its impurities. <i>Acta Pharmaceutica</i> , 2013, 63, 159-173.	2.0	11
27	CRITICAL REVIEW ON THE ANALYTICAL METHODS FOR THE DETERMINATION OF ZWITTERIONIC ANTIEPILEPTIC DRUGS—VIGABATRIN, PREGABALIN, AND GABAPENTIN—IN BULK AND FORMULATIONS. <i>Instrumentation Science and Technology</i> , 2014, 42, 486-512.	1.8	11
28	Investigation into the phenomena affecting the retention behavior of basic analytes in chaotropic chromatography: Joint effects of the most relevant chromatographic factors and analytes'™ molecular properties. <i>Journal of Chromatography A</i> , 2015, 1425, 150-157.	3.7	11
29	Chaotropic chromatography method development for the determination of aripiprazole and its impurities following analytical quality by design principles. <i>Journal of Separation Science</i> , 2020, 43, 3242-3250.	2.5	11
30	Validation of an Oil-in-Water Microemulsion Liquid Chromatography Method for Analysis of Perindopril tert-Butylamine and Its Impurities. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 723-734.	1.5	10
31	Quantitation of brinzolamide in dried blood spots by a novel LC-QTOF-MS/MS method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 119, 84-90.	2.8	10
32	Design of Experiments—Design Space Approach for Development of Chaotropic Chromatography Method for Determination of Trimetazidine Dihydrochloride and Two Impurities. <i>Chromatographia</i> , 2017, 80, 585-592.	1.3	9
33	Modified aqueous mobile phases: A way to improve retention behavior of active pharmaceutical compounds and their impurities in liquid chromatography. <i>Journal of Chromatography Open</i> , 2022, 2, 100023.	2.2	9
34	Chitosan/Sodium Dodecyl Sulfate Complexes for Microencapsulation of Vitamin E and Its Release Profile—Understanding the Effect of Anionic Surfactant. <i>Pharmaceutics</i> , 2022, 15, 54.	3.8	8
35	The influence of salt chaotropicity, column hydrophobicity and analytes'™ molecular properties on the retention of pramipexole and its impurities. <i>Journal of Chromatography A</i> , 2015, 1386, 39-46.	3.7	7
36	Robust Optimization of Chaotropic Chromatography Assay for Lamotrigine and its Two Impurities in Tablets. <i>Chromatographia</i> , 2019, 82, 565-577.	1.3	7

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37	INVESTIGATION OF TROPICAMIDE AND BENZALKONIUM CHLORIDE STABILITY USING LIQUID CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2012, 35, 231-239.	1.0	6
38	Identification of the factors affecting the consistency of DBS formation via experimental design and image processing methodology. <i>Microchemical Journal</i> , 2019, 145, 1003-1010.	4.5	6
39	Quantitative structure retention relationship modeling as potential tool in chromatographic determination of stability constants and thermodynamic parameters of $\beta$ -cyclodextrin complexation process. <i>Journal of Chromatography A</i> , 2020, 1619, 460971.	3.7	6
40	Five different columns in the analysis of basic drugs in hydrophilic interaction liquid chromatography. <i>Open Chemistry</i> , 2013, 11, 1150-1162.	1.9	5
41	OPTIMIZATION OF LIQUID CHROMATOGRAPHIC METHOD FOR THE SEPARATION OF FOLIC ACID AND ITS TWO IMPURITIES. <i>Instrumentation Science and Technology</i> , 2012, 40, 138-149.	1.8	4
42	Avoiding the False Negative Results in LC Method Robustness Testing by Modifications of the Algorithm of Dong and Dummy Factor Effects Approach. <i>Chromatographia</i> , 2012, 75, 397-401.	1.3	4
43	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. <i>Journal of Separation Science</i> , 2014, 37, 1797-1804.	2.5	4
44	Simple and Efficient Solution for Robustness Testing in Gradient Elution Liquid Chromatographic Methods. <i>Chromatographia</i> , 2018, 81, 1135-1145.	1.3	4
45	Factorial Design in Optimization of Chromatographic Separation of Ramipril and Its Impurities. <i>Chromatographia</i> , 2010, 71, 799-804.	1.3	3
46	Physicochemical factors governing the partition of pramipexole and its five impurities in microemulsion liquid chromatographic systems. <i>Journal of the Brazilian Chemical Society</i> , 2012, , .	0.6	3
47	Evaluation of Seven Chromatographic Response Functions on Simulated and Experimentally Obtained Chromatograms in Hydrophilic Interaction Liquid Chromatography System. <i>Analytical Letters</i> , 2013, 46, 1198-1212.	1.8	3
48	Chemometrical Tools in the Study of the Retention Behavior of Azole Antifungals. <i>Journal of Chromatographic Science</i> , 2014, 52, 95-102.	1.4	3
49	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. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4855-4866.	3.7	3
50	Influence of spray-drying process on properties of chitosan/xanthan gum polyelectrolyte complexes as carriers for oral delivery of ibuprofen. <i>Arhiv Za Farmaciju</i> , 2022, 72, 36-60.	0.5	3
51	Influence of the mobile phase and molecular structure parameters on the retention behavior of protonated basic solutes in chaotropic chromatography. <i>Journal of Chromatography A</i> , 2017, 1511, 68-76.	3.7	2
52	Evaluation of RP-HPLC Method Intended for the Analysis of Cefuroxime Axetil and ITS Impurities Supported by Experimental Design. <i>Chromatographia</i> , 2013, 76, 293-298.	1.3	1
53	Identification of the factors affecting the retention of weak acid solutes in hybrid micellar systems with cetyltrimethylammonium bromide. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2019, 42, 45-53.	1.0	1
54	Corona Charged Aerosol Detector in studying retention and $\beta$ -cyclodextrin complex stability using RP-HPLC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 193, 113711.	2.8	1

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55	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
56	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
57	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