

# Andelija M Malenovic

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56  
papers

620  
citations

14  
h-index

22  
g-index

57  
ext. papers

692  
ext. citations

3.1  
avg. IF

3.84  
L-index

#	Paper	IF	Citations
56	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> , <b>2022</b> , 2, 100023		2
55	Generic approach in a gradient elution HPLC method development that enables troubleshooting free method transfer. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2022</b> , 207, 114367	3.5	
54	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> , <b>2022</b> , 72, 36-60	0.2	0
53	PDA-CAD method for the determination of magnesium, pyridoxine and thiamine in a dietary supplement supported by analytical quality by design methodology. <i>Arhiv Za Farmaciju</i> , <b>2021</b> , 71, 378-392 <sup>0.2</sup>		
52	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> , <b>2021</b> , 167, 547-558	7.9	9
51	Corona Charged Aerosol Detector in studying retention and Cyclodextrin complex stability using RP-HPLC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2021</b> , 193, 113711	3.5	1
50	Chitosan/Sodium Dodecyl Sulfate Complexes for Microencapsulation of Vitamin E and Its Release Profile-Understanding the Effect of Anionic Surfactant.. <i>Pharmaceuticals</i> , <b>2021</b> , 15,	5.2	2
49	Chaotropic chromatography method development for the determination of aripiprazole and its impurities following analytical quality by design principles. <i>Journal of Separation Science</i> , <b>2020</b> , 43, 3242-3250 <sup>3.4</sup>	3.4	3
48	Quantitative structure retention relationship modeling as potential tool in chromatographic determination of stability constants and thermodynamic parameters of Cyclodextrin complexation process. <i>Journal of Chromatography A</i> , <b>2020</b> , 1619, 460971	4.5	6
47	Chaotropic effect of trifluoroacetic and perchloric acid on B-cyclodextrin inclusion complexation process with risperidone, olanzapine and their selected impurities. <i>Arhiv Za Farmaciju</i> , <b>2020</b> , 70, 360-376 <sup>0.2</sup>		
46	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> , <b>2020</b> , 180, 113034	3.5	8
45	Hematocrit effect on dried blood spots in adults: a computational study and theoretical considerations. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , <b>2019</b> , 79, 325-333	2	6
44	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> , <b>2019</b> , 42, 45-53	1.3	1
43	Identification of the factors affecting the consistency of DBS formation via experimental design and image processing methodology. <i>Microchemical Journal</i> , <b>2019</b> , 145, 1003-1010	4.8	3
42	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> , <b>2019</b> , 145, 655-663	4.8	12
41	Robust Optimization of Chaotropic Chromatography Assay for Lamotrigine and its Two Impurities in Tablets. <i>Chromatographia</i> , <b>2019</b> , 82, 565-577	2.1	4
40	Simple and Efficient Solution for Robustness Testing in Gradient Elution Liquid Chromatographic Methods. <i>Chromatographia</i> , <b>2018</b> , 81, 1135-1145	2.1	3

39	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> , <b>2018</b> , 149, 410-418	3.5	12
38	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> , <b>2018</b> , 410, 4855-4866	4.4	1
37	Design of Experiments Design Space Approach for Development of Chaotropic Chromatography Method for Determination of Trimetazidine Dihydrochloride and Two Impurities. <i>Chromatographia</i> , <b>2017</b> , 80, 585-592	2.1	7
36	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> , <b>2017</b> , 1511, 68-76	4.5	2
35	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> , <b>2017</b> , 145, 307-314	3.5	15
34	Quantitation of brinzolamide in dried blood spots by a novel LC-QTOF-MS/MS method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 119, 84-90	3.5	8
33	Using a Combination of Experimental and Mathematical Method To Explore Critical Micelle Concentration of a Cationic Surfactant. <i>Journal of Chemical Education</i> , <b>2016</b> , 93, 1277-1281	2.4	9
32	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> , <b>2015</b> , 109, 79-84	3.5	29
31	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> , <b>2015</b> , 111, 7-13	3.5	26
30	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> , <b>2015</b> , 102, 314-20	3.5	19
29	Investigation into the phenomena affecting the retention behavior of basic analytes in chaotropic chromatography: Joint effects of the most relevant chromatographic factors and analytesV molecular properties. <i>Journal of Chromatography A</i> , <b>2015</b> , 1425, 150-7	4.5	9
28	The influence of salt chaotropicity, column hydrophobicity and analytesV molecular properties on the retention of pramipexole and its impurities. <i>Journal of Chromatography A</i> , <b>2015</b> , 1386, 39-46	4.5	5
27	The influence of inorganic salts with chaotropic properties on the chromatographic behavior of ropinirole and its two impurities. <i>Talanta</i> , <b>2014</b> , 123, 122-7	6.2	13
26	Testing the capability of a polynomial-modified gaussian model in the description and simulation of chromatographic peaks of amlodipine and its impurity in ion-interaction chromatography. <i>Journal of Separation Science</i> , <b>2014</b> , 37, 1797-804	3.4	3
25	CRITICAL REVIEW ON THE ANALYTICAL METHODS FOR THE DETERMINATION OF ZWITTERIONIC ANTIPILEPTIC DRUGS VIGABATRIN, PREGABALIN, AND GABAPENTININ BULK AND FORMULATIONS. <i>Instrumentation Science and Technology</i> , <b>2014</b> , 42, 486-512	1.4	10
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> , <b>2014</b> , 962, 102-108	3.2	9
23	Chemometrical tools in the study of the retention behavior of azole antifungals. <i>Journal of Chromatographic Science</i> , <b>2014</b> , 52, 95-102	1.4	3
22	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> , <b>2013</b> , 116, 91-9	6.2	16

21	Investigation of adsorption and release of diclofenac sodium by modified zeolites composites. <i>Applied Clay Science</i> , <b>2013</b> , 83-84, 322-326	5.2	24
20	Evaluation of RP-HPLC Method Intended for the Analysis of Cefuroxime Axetil and ITS Impurities Supported by Experimental Design. <i>Chromatographia</i> , <b>2013</b> , 76, 293-298	2.1	1
19	Chemometrically assisted optimization and validation of RP-HPLC method for the analysis of itraconazole and its impurities. <i>Acta Pharmaceutica</i> , <b>2013</b> , 63, 159-73	3.2	8
18	Evaluation of Seven Chromatographic Response Functions on Simulated and Experimentally Obtained Chromatograms in Hydrophilic Interaction Liquid Chromatography System. <i>Analytical Letters</i> , <b>2013</b> , 46, 1198-1212	2.2	3
17	Stepwise optimization approach for improving LC-MS/MS analysis of zwitterionic antiepileptic drugs with implementation of experimental design. <i>Journal of Mass Spectrometry</i> , <b>2013</b> , 48, 875-84	2.2	20
16	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> , <b>2013</b> , 77, 9-15	3.5	21
15	Five different columns in the analysis of basic drugs in hydrophilic interaction liquid chromatography. <i>Open Chemistry</i> , <b>2013</b> , 11, 1150-1162	1.6	4
14	Improved chromatographic response function in HILIC analysis: application to mixture of antidepressants. <i>Talanta</i> , <b>2012</b> , 98, 54-61	6.2	18
13	OPTIMIZATION OF LIQUID CHROMATOGRAPHIC METHOD FOR THE SEPARATION OF FOLIC ACID AND ITS TWO IMPURITIES. <i>Instrumentation Science and Technology</i> , <b>2012</b> , 40, 138-149	1.4	4
12	INVESTIGATION OF TROPICAMIDE AND BENZALKONIUM CHLORIDE STABILITY USING LIQUID CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2012</b> , 35, 231-239	1.3	5
11	Assessment of $\beta$ -lactams retention in hydrophilic interaction chromatography applying Box-Behnken design. <i>Journal of Separation Science</i> , <b>2012</b> , 35, 1424-31	3.4	11
10	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> , <b>2012</b> , 75, 397-401	2.1	4
9	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> , <b>2011</b> , 94, 723-734	1.7	9
8	Desirability-based optimization and its sensitivity analysis for the perindopril and its impurities analysis in a microemulsion LC system. <i>Microchemical Journal</i> , <b>2011</b> , 99, 454-460	4.8	48
7	Optimization of Artificial Neural Networks for Modeling of Atorvastatin and Its Impurities Retention in Micellar Liquid Chromatography. <i>Chromatographia</i> , <b>2011</b> , 73, 993-998	2.1	14
6	Properties of diclofenac sodium sorption onto natural zeolite modified with cetylpyridinium chloride. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 83, 165-72	6	87
5	Cationic surfactants-modified natural zeolites: improvement of the excipients functionality. <i>Drug Development and Industrial Pharmacy</i> , <b>2010</b> , 36, 1215-24	3.6	28
4	FORCED DEGRADATION STUDIES OF SIMVASTATIN USING MICROEMULSION LIQUID CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2010</b> , 33, 536-547	1.3	10

3	Factorial Design in Optimization of Chromatographic Separation of Ramipril and Its Impurities. <i>Chromatographia</i> , <b>2010</b> , 71, 799-804	2.1	3
2	Monitoring of Impurity Level of Valsartan and Hydrochlorothiazide Employing an RP-HPLC Gradient Mode. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2007</b> , 30, 2879-2890	1.3	16
1	Microemulsion liquid chromatographic method for characterisation of fosinopril sodium and fosinoprilat separation with chemometrical support. <i>Analytical and Bioanalytical Chemistry</i> , <b>2005</b> , 383, 687-94	4.4	25