

Biljana Otačević

List of Publications by Year in descending order

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49
papers

422
citations

623734

14
h-index

839539

18
g-index

49
all docs

49
docs citations

49
times ranked

468
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of experimental design in optimization of solid phase extraction of mycophenolic acid and mycophenolic acid glucuronide from human urine and plasma and SPE-RP-HPLC method validation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 47, 575-585.	2.8	26
2	Structure–response relationship in electrospray ionization-mass spectrometry of sartans by artificial neural networks. <i>Journal of Chromatography A</i> , 2016, 1438, 123-132.	3.7	26
3	Study of forced degradation behavior of Eletriptan hydrobromide by LC and LC–MS and development of stability-indicating method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 50, 622-629.	2.8	25
4	Application of Multicriteria Methodology in the Development of Improved RP-LC-DAD for Determination of Rizatriptan and Its Degradation Products. <i>Chromatographia</i> , 2008, 68, 911-918.	1.3	21
5	Simultaneous determination of cefotaxime and desacetylcefotaxime in real urine sample using voltammetric and high-performance liquid chromatographic methods. <i>Talanta</i> , 2008, 77, 131-137.	5.5	20
6	Quantitative structure–retention relationships applied to development of liquid chromatography gradient-elution method for the separation of sartans. <i>Talanta</i> , 2016, 150, 190-197.	5.5	20
7	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
8	Performance comparison of nonlinear and linear regression algorithms coupled with different attribute selection methods for quantitative structure - retention relationships modelling in micellar liquid chromatography. <i>Journal of Chromatography A</i> , 2020, 1623, 461146.	3.7	20
9	Multicriteria optimization methodology in development of HPLC separation of mycophenolic acid and mycophenolic acid glucuronide in human urine and plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 50, 640-648.	2.8	18
10	Liquid chromatography/tandem mass spectrometry for simultaneous determination of undeclared corticosteroids in cosmetic creams. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 2319-2327.	1.5	18
11	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
12	Quantitative structure–retention relationships of azole antifungal agents in reversed-phase high performance liquid chromatography. <i>Talanta</i> , 2012, 100, 329-337.	5.5	16
13	A new strategy for development of eco-friendly RP-HPLC method using Corona Charged Aerosol Detector and its application for simultaneous analysis of risperidone and its related impurities. <i>Microchemical Journal</i> , 2020, 153, 104394.	4.5	16
14	UPLC Method for Determination of Moxonidine and Its Degradation Products in Active Pharmaceutical Ingredient and Pharmaceutical Dosage Form. <i>Chromatographia</i> , 2014, 77, 109-118.	1.3	14
15	Validation of a high-performance liquid chromatographic method for the simultaneous determination of tramadol and its impurities in oral drops as a pharmaceutical formulation. <i>Journal of Chromatography A</i> , 2006, 1119, 251-256.	3.7	13
16	Quantitative structure –retention relationship modeling of selected antipsychotics and their impurities in green liquid chromatography using cyclodextrin mobile phases. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2533-2550.	3.7	13
17	Validation of an HPLC method for the simultaneous determination of eletriptan and UK 120.413. <i>Journal of the Serbian Chemical Society</i> , 2006, 71, 1195-1205.	0.8	10
18	Chemometrically Assisted Development and Validation of LC for Simultaneous Determination of Carbamazepine and Its Impurities Iminostilbene and Iminodibenzyl in Solid Dosage Form. <i>Chromatographia</i> , 2009, 70, 1343-1351.	1.3	10

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19	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
20	Development and validation of reversed phase high performance liquid chromatographic method for determination of moxonidine in the presence of its impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 59, 151-156.	2.8	8
21	Charged aerosol detector response modeling for fatty acids based on experimental settings and molecular features: a machine learning approach. <i>Journal of Cheminformatics</i> , 2021, 13, 53.	6.1	8
22	Development of Liquid Chromatographic Method for Simultaneous Determination of Mycophenolate Mofetil and its Degradation Product Mycophenolic Acid in Dosage Form. <i>Journal of Chromatographic Science</i> , 2009, 47, 149-155.	1.4	7
23	A Chemometrical Approach to Optimization and Validation of an HPLC Assay for Rizatriptan and its Impurities in Tablets. <i>Analytical Letters</i> , 2007, 40, 2301-2316.	1.8	6
24	Antioxidative system in the erythrocytes of preterm neonates with sepsis: the effects of vitamin E supplementation. <i>Annals of Clinical Biochemistry</i> , 2014, 51, 550-556.	1.6	6
25	Isolation and Determination of Fomentariol: Novel Potential Antidiabetic Drug from Fungal Material. <i>Journal of Analytical Methods in Chemistry</i> , 2018, 2018, 1-9.	1.6	6
26	Quantitative structure retention relationship modeling as potential tool in chromatographic determination of stability constants and thermodynamic parameters of β -cyclodextrin complexation process. <i>Journal of Chromatography A</i> , 2020, 1619, 460971.	3.7	6
27	Validation of an HPLC Method for the Determination of Valdecoxib and its Degradation Product: a Mixture of α - and β -n-Lactosyl Sulfonamide Anomers. <i>Chromatographia</i> , 2007, 66, 29-35.	1.3	5
28	Artificial neural networks modeling in ultra performance liquid chromatography method optimization of mycophenolate mofetil and its degradation products. <i>Journal of Chemometrics</i> , 2014, 28, 567-574.	1.3	4
29	Multicriteria Optimization Methodology in Stability-Indicating Method Development of Cilazapril and Hydrochlorothiazide. <i>Journal of Chromatographic Science</i> , 2017, 55, 625-637.	1.4	4
30	Simple and Efficient Solution for Robustness Testing in Gradient Elution Liquid Chromatographic Methods. <i>Chromatographia</i> , 2018, 81, 1135-1145.	1.3	4
31	Robust optimization of gradient RP HPLC method for simultaneous determination of ivabradine and its eleven related substances by AQbD approach. <i>Acta Chromatographica</i> , 2021, 34, 1-11.	1.3	4
32	Structural Elucidation of Unknown Oxidative Degradation Products of Mycophenolate Mofetil Using LC-MSn. <i>Chromatographia</i> , 2016, 79, 919-926.	1.3	3
33	Experimental design in HPLC separation of pharmaceuticals. <i>Arhiv Za Farmaciju</i> , 2021, 71, 279-301.	0.5	3
34	A comprehensive study on retention of selected model substances in β -cyclodextrin-modified high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2021, 1645, 462120.	3.7	3
35	Characterization of Biomolecules with Antibiotic Activity from Endophytic Fungi <i>Phomopsis</i> Species. <i>Acta Chimica Slovenica</i> , 2020, 67, 445-461.	0.6	3
36	Optimization of chromatographic separation of aripiprazole and impurities: Quantitative structure-retention relationship approach. <i>Journal of the Serbian Chemical Society</i> , 2022, 87, 615-628.	0.8	3

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37	Gradient Boosted Tree model: A fast track tool for predicting the Atmospheric Pressure Chemical Ionization-Mass Spectrometry signal of antipsychotics based on molecular features and experimental settings. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2022, 224, 104554.	3.5	2
38	Chromatographic and computational lipophilicity assessment of novel antibiofilm agents. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2020, 43, 615-623.	1.0	1
39	Corona Charged Aerosol Detector in studying retention and β -cyclodextrin complex stability using RP-HPLC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 193, 113711.	2.8	1
40	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> , 2021, 71, 378-392.	0.5	1
41	The application of ecologically acceptable concept in liquid chromatographic method development in drug analyses. <i>Arhiv Za Farmaciju</i> , 2015, 65, 178-190.	0.5	1
42	Molecular docking study on biomolecules isolated from endophytic fungi. <i>Journal of the Serbian Chemical Society</i> , 2021, 86, 125-137.	0.8	0
43	Generic Approach in a Gradient Elution HPLC Method Development that enables troubleshooting free method transfer. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 207, 114367.	2.8	0
44	Analysis of mycophenolic acid from saliva samples after its purification with the method of solidliquid extraction. <i>Arhiv Za Farmaciju</i> , 2014, 64, 247-260.	0.5	0
45	Monitoring of complex forming of the active pharmaceutical substance and β -cyclodextrin as an additive of the mobile phase using mass spectrometry. <i>Arhiv Za Farmaciju</i> , 2016, 66, 147-160.	0.5	0
46	The potential of Corona Charged Aerosol Detector for investigation of telmisartan: B-cyclodextrin inclusion complexes. <i>Arhiv Za Farmaciju</i> , 2019, 69, 1-14.	0.5	0
47	Chemometric window to antimicrobial activity of biomolecules isolated from endophytic fungi. <i>Arhiv Za Farmaciju</i> , 2020, 70, 142-156.	0.5	0
48	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> , 2020, 70, 360-376.	0.5	0
49	Characterization of Biomolecules with Antibiotic Activity from Endophytic Fungi <i>Phomopsis</i> Species. <i>Acta Chimica Slovenica</i> , 2020, 67, 445-461.	0.6	0