

Biljana Nigovic

List of Publications by Year in descending order

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74
papers

1,524
citations

304743

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35
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docs citations

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times ranked

1705
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification and Quantification of Flavonoids and Phenolic Acids in Burr Parsley (<i>Caucalis</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 Electrospray Ionization Mass Spectrometry. <i>Molecules</i> , 2009, 14, 2466-2490.	3.8	182
2	Voltammetric measurements of aminosalicilate drugs using bismuth film electrode. <i>Electrochimica Acta</i> , 2009, 54, 5678-5683.	5.2	71
3	Voltammetric assay of azithromycin in pharmaceutical dosage forms. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 32, 197-202.	2.8	63
4	Simultaneous determination of lovastatin and citrinin in red yeast rice supplements by micellar electrokinetic capillary chromatography. <i>Food Chemistry</i> , 2013, 138, 531-538.	8.2	63
5	Multi-walled carbon nanotubes/Nafion composite film modified electrode as a sensor for simultaneous determination of ondansetron and morphine. <i>Talanta</i> , 2014, 122, 187-194.	5.5	62
6	Development of a Rapid LC/DAD/FLD/MS^{<i>n</i>} Method for the Simultaneous Determination of Monacolins and Citrinin in Red Fermented Rice Products. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 1072-1080.	5.2	60
7	Identification of 5-aminosalicylic acid, ciprofloxacin and azithromycin by abrasive stripping voltammetry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 36, 81-89.	2.8	55
8	Determination of 5-aminosalicylic acid in pharmaceutical formulation by differential pulse voltammetry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 31, 169-174.	2.8	51
9	Antimony film electrode for direct cathodic measurement of sulfasalazine. <i>Electrochimica Acta</i> , 2011, 58, 523-527.	5.2	40
10	Optimization of roasting conditions as an useful approach for increasing antioxidant activity of carob powder. <i>LWT - Food Science and Technology</i> , 2014, 58, 578-586.	5.2	40
11	Electrochemical sensing of mesalazine and its N-acetylated metabolite in biological samples using functionalized carbon nanotubes. <i>Talanta</i> , 2016, 147, 50-58.	5.5	37
12	The mechanism and kinetics of the electrochemical cleavage of azo bond of 2-hydroxy-5-sulfophenyl-azo-benzoic acids. <i>Electrochimica Acta</i> , 2004, 49, 607-615.	5.2	36
13	Bismuth nanoparticles-carbon nanotubes modified sensor for sulfasalazine analysis. <i>Talanta</i> , 2017, 164, 201-208.	5.5	32
14	Graphene nanocomposite modified glassy carbon electrode for voltammetric determination of the antipsychotic quetiapine. <i>Mikrochimica Acta</i> , 2016, 183, 1459-1467.	5.0	31
15	A novel electrochemical sensor for assaying of antipsychotic drug quetiapine. <i>Talanta</i> , 2011, 86, 393-399.	5.5	30
16	N-(indol-3-ylacetyl)amino acids as sources of auxin in plant tissue culture. <i>Journal of Plant Growth Regulation</i> , 1992, 11, 19-28.	5.1	28
17	Adsorptive Stripping Voltammetric Determination of Azithromycin at a Glassy Carbon Electrode Modified by Electrochemical Oxidation. <i>Analytical Sciences</i> , 2004, 20, 639-643.	1.6	28
18	A highly sensitive method for determination of β -blocker drugs using a Nafion-coated glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2011, 663, 72-78.	3.8	28

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19	Correlation of structural and physico-chemical parameters with the bioactivity of alkylated derivatives of indole-3-acetic acid, a phytohormone (auxin). <i>Acta Crystallographica Section B: Structural Science</i> , 2000, 56, 94-111.	1.8	25
20	Electrochemical properties and square-wave voltammetric determination of pravastatin. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 384, 431-437.	3.7	25
21	Square-wave voltammetric determination of pantoprazole using ex situ plated antimony-film electrode. <i>Electrochimica Acta</i> , 2013, 109, 818-822.	5.2	25
22	Electrochemical determination of nepafenac topically applied nonsteroidal anti-inflammatory drug using graphene nanoplatelets-carbon nanofibers modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2018, 817, 30-35.	3.8	25
23	Electrochemical characterization of simvastatin by abrasive stripping and square-wave voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2006, 593, 125-130.	3.8	22
24	Quantitative analysis of the polyphenols of the aerial parts of rock samphire– <i>Crithmum maritimum</i> L. <i>Acta Pharmaceutica</i> , 2003, 53, 139-44.	2.0	21
25	Selective sensor for simultaneous determination of mesalazine and folic acid using chitosan coated carbon nanotubes functionalized with amino groups. <i>Journal of Electroanalytical Chemistry</i> , 2019, 851, 113450.	3.8	19
26	Structural studies on monohalogenated derivatives of the phytohormone indole-3-acetic acid (auxin). <i>Acta Crystallographica Section B: Structural Science</i> , 1996, 52, 332-343.	1.8	18
27	Voltammetric determination of ropinirole in the presence of levodopa at the surface of a carbon nanotubes based electrochemical sensor in pharmaceuticals and human serum. <i>Journal of Electroanalytical Chemistry</i> , 2014, 733, 60-68.	3.8	18
28	Voltammetric studies of 2-hydroxy-5-[(4-sulfophenyl)azo]benzoic acid as a novel prodrug of 5-aminosalicylic acid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 26, 987-994.	2.8	17
29	Fast Analysis of Statins in Pharmaceuticals by MEKC. <i>Chromatographia</i> , 2010, 71, 233-240.	1.3	16
30	Simultaneous analysis of mitotane and its main metabolites in human blood and urine samples by SPE–HPLC technique. <i>Biomedical Chromatography</i> , 2012, 26, 1308-1314.	1.7	15
31	Fungi and their secondary metabolites in water-damaged indoors after a major flood event in eastern Croatia. <i>Indoor Air</i> , 2021, 31, 730-744.	4.3	15
32	Comparison of the structures of the plant growth hormone indole-3-acetic acid, and six of its amino-acid conjugates. <i>Acta Crystallographica Section B: Structural Science</i> , 1991, 47, 107-115.	1.8	14
33	Structural studies on 5-(n-alkyl)-substituted derivatives of the plant hormone indole-3-acetic acid. <i>Acta Crystallographica Section B: Structural Science</i> , 1991, 47, 1010-1019.	1.8	14
34	Preparation, crystal structure and chiroptical properties of Rh ₂ [camphanate] ₄ (MeOH) ₂ . <i>Tetrahedron: Asymmetry</i> , 1992, 3, 1-4.	1.8	14
35	Electron transfer in N-hydroxyurea complexes with iron(III). <i>European Journal of Medicinal Chemistry</i> , 2005, 40, 51-55.	5.5	14
36	Analysis of Atorvastatin and Related Substances by MEKC. <i>Chromatographia</i> , 2009, 69, 1299-1305.	1.3	14

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37	Evaluation of volatile compound and food additive contents in blackberry wine. <i>Food Control</i> , 2015, 50, 714-721.	5.5	14
38	Development and Validation of a Novel LC-MS/MS Method for the Simultaneous Determination of Abemaciclib, Palbociclib, Ribociclib, Anastrozole, Letrozole, and Fulvestrant in Plasma Samples: A Prerequisite for Personalized Breast Cancer Treatment. <i>Pharmaceuticals</i> , 2022, 15, 614.	3.8	14
39	Electrochemical behavior of iron(III) complexes with aminohydroxamic acids. <i>Polyhedron</i> , 2002, 21, 1661-1666.	2.2	13
40	Electroanalytical Studies of Biologically Active Azosalicylic Acid at a Hanging Mercury Drop Electrode. <i>Electroanalysis</i> , 2005, 17, 839-845.	2.9	13
41	Green Electroanalytical Method for Fast Measurement of Xanthine Oxidase Inhibitor Febuxostat. <i>Analytical Sciences</i> , 2017, 33, 1219-1223.	1.6	11
42	Structural studies on monofluorinated derivatives of the phytohormone indole-3-acetic acid (auxin). <i>Acta Crystallographica Section B: Structural Science</i> , 1996, 52, 651-661.	1.8	10
43	Rapid Electroanalytical Method for Determination of Nebivolol at a Boron-Doped Diamond Electrode. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 1535-1541.	1.5	10
44	Pharmacokinetic Profiling and Simultaneous Determination of Thiopurine Immunosuppressants and Folic Acid by Chromatographic Methods. <i>Molecules</i> , 2019, 24, 3469.	3.8	10
45	Conformational Study of Some Amino Acid Conjugates of Indol-3-yl-acetic Acid (IAA) by ¹ H-NOE-Difference Spectroscopy. Structure/Auxin Activity Relationships. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1989, 44, 543-554.	1.4	9
46	Structural comparison of biologically active and inactive conjugates of \pm -amino acids and the plant growth hormone (auxin) indole-3-acetic acid. <i>Acta Crystallographica Section B: Structural Science</i> , 1993, 49, 367-374.	1.8	9
47	Pharmacokinetic Parameters of Statin Drugs Characterized by Reversed Phase High-Performance Liquid Chromatography. <i>Analytical Letters</i> , 2011, 44, 1009-1020.	1.8	9
48	Post-Flood Impacts on Occurrence and Distribution of Mycotoxin-Producing Aspergilli from the Sections Circumdati, Flavi, and Nigri in Indoor Environment. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 282.	3.5	9
49	Preconcentration of the lipid-lowering drug lovastatin at a hanging mercury drop electrode surface. <i>Journal of Analytical Chemistry</i> , 2009, 64, 304-309.	0.9	8
50	Simple and Fast Voltammetric Method for Assaying Monacolin K in Red Yeast Rice Formulated Products. <i>Food Analytical Methods</i> , 2015, 8, 180-188.	2.6	8
51	Evaluation of alcohol content and metal impurities in liquid dietary supplements by sHSS-GC-FID and GFAAS techniques. <i>Food Chemistry</i> , 2016, 211, 285-293.	8.2	8
52	A chromatographic approach to development of 5-aminosalicylate/folic acid fixed-dose combinations for treatment of Crohn's disease and ulcerative colitis. <i>Scientific Reports</i> , 2020, 10, 20838.	3.3	8
53	Electrochemical studies of ropinirole, an anti-Parkinson's disease drug. <i>Journal of Chemical Sciences</i> , 2013, 125, 1197-1205.	1.5	7
54	Lipophilicity and bio-mimetic properties determination of phytoestrogens using ultra-high-performance liquid chromatography. <i>Biomedical Chromatography</i> , 2019, 33, e4551.	1.7	7

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55	Simple and Rapid Micellar Electrokinetic Chromatography Method for Simultaneous Determination of Febuxostat and its Related Impurities. <i>Chromatographia</i> , 2020, 83, 993-1000.	1.3	7
56	Structures of three biologically active conjugates of β -amino acids and plant growth hormone (auxin). <i>Acta Crystallographica Section B: Structural Science</i> , 1992, 48, 297-302.	1.8	6
57	Separation, Characterization, and Quantification of Atorvastatin and Related Impurities by Liquid Chromatography-Electrospray Ionization Mass Spectrometry. <i>Analytical Letters</i> , 2010, 43, 2859-2871.	1.8	6
58	Multi-targeted Screening of Phytoestrogens in Food, Raw Material, and Dietary Supplements by Liquid Chromatography with Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2020, 13, 482-495.	2.6	6
59	Physicochemical Compatibility Investigation of Mesalazine and Folic Acid Using Chromatographic and Thermoanalytical Techniques. <i>Pharmaceuticals</i> , 2020, 13, 187.	3.8	6
60	Kinetics and mechanism of iron exchange in hydroxamate siderophores: Catalysis of the iron(III) transfer from ferrioxamine B to ethylenediaminetetraacetic acid. <i>Journal of Inorganic Biochemistry</i> , 1998, 70, 253-263.	3.5	5
61	Reaction of Hydroxyurea with Iron(III): Products and the Stoichiometry of the Redox Reaction. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004, 630, 2749-2753.	1.2	5
62	Characterization and quantification of flavonoid aglycones and phenolic acids in the hydrolyzed methanolic extract of <i>Caucalis platycarpos</i> using HPLC-DAD-MS/MS. <i>Chemistry of Natural Compounds</i> , 2011, 47, 27-32.	0.8	5
63	Synthesis and conformational analysis of the plant hormone (auxin) related 2-(indol-3-yl)ethyl and 2-phenylethyl β -D-xylopyranosides and their 2,3,4-tri-O-acetyl derivatives. <i>Carbohydrate Research</i> , 1995, 270, 11-32.	2.3	4
64	A Review of Current Trends and Advances in Analytical Methods for Determination of Statins: Chromatography and Capillary Electrophoresis. , 0, , .		4
65	A rapid profiling of hypolipidemic agents in dietary supplements by direct injection tandem mass spectrometry. <i>Journal of Food Composition and Analysis</i> , 2014, 34, 68-74.	3.9	4
66	A Comprehensive Approach to Compatibility Testing Using Chromatographic, Thermal and Spectroscopic Techniques: Evaluation of Potential for a Monolayer Fixed-Dose Combination of 6-Mercaptopurine and Folic Acid. <i>Pharmaceuticals</i> , 2021, 14, 274.	3.8	4
67	Formation of hydroxamic acids promoted by metal ions. interaction of aldehyde carbonyl group with C-nitroso group in the presence of ferric ions. <i>Tetrahedron Letters</i> , 1995, 36, 9547-9550.	1.4	3
68	Quality assessment of liquid pharmaceutical preparations by HSS-GC-FID. <i>Journal of Analytical Chemistry</i> , 2013, 68, 1076-1080.	0.9	3
69	Drug-Drug Compatibility Evaluation of Sulfasalazine and Folic Acid for Fixed-Dose Combination Development Using Various Analytical Tools. <i>Pharmaceutics</i> , 2021, 13, 400.	4.5	3
70	Simultaneous Monitoring of Febuxostat and Uric Acid in Human Serum Samples Using the Direct Square-Wave Voltammetric Method. <i>Current Analytical Chemistry</i> , 2019, 15, 678-684.	1.2	3
71	Quality by Design (QbD) approach for the development of a rapid UHPLC method for simultaneous determination of aglycone and glycoside forms of isoflavones in dietary supplements. <i>Analytical Methods</i> , 2020, 12, 2082-2092.	2.7	2
72	Development of a HPLC-DAD stability-indicating method and compatibility study of azathioprine and folic acid as a prerequisite for a monolayer fixed-dose combination. <i>Analytical Methods</i> , 2021, 13, 1422-1431.	2.7	2

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73	Selective Sensing Platform Utilizing Graphitized Multi-Walled Carbon Nanotubes for Monitoring of Ondansetron and Paracetamol. <i>Current Nanoscience</i> , 2021, 17, 736-746.	1.2	1
74	Thermoanalytical, Spectroscopic and Chromatographic Approach to Physicochemical Compatibility Investigation of 5-Aminosalicylates and Folic Acid. <i>Croatica Chemica Acta</i> , 2021, 94, .	0.4	0