Biljana D Å krbiÄ

List of Publications by Year
in descending order

112	3,886	87723	138251
papers	citations	38 h-index	58 g-index

114	114	114	5047
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Determination of 81 pharmaceutical drugs by high performance liquid chromatography coupled to mass spectrometry with hybrid triple quadrupoleâ€“linear ion trap in different types of water in Serbia. Science of the Total Environment, 2014, 468-469, 415-428.	3.9	221
2	Modified softwood sawdust as adsorbent of heavy metal ions from water. Journal of Hazardous Materials, 2006, 136, 266-271.	6.5	181
3	Removal of water turbidity by natural coagulants obtained from chestnut and acorn. Bioresource Technology, 2009, 100, 6639-6643.	4.8	144
4	Status of hormones and painkillers in wastewater effluents across several European statesâ€”considerations for the EU watch list concerning estradiols and diclofenac. Environmental Science and Pollution Research, 2016, 23, 12835-12866.	2.7	141
5	Pre-treatment and extraction techniques for recovery of added value compounds from wastes throughout the agri-food chain. Green Chemistry, 2016, 18, 6160-6204.	4.6	136
6	Assessment of perfluoroalkyl substances in food items at global scale. Environmental Research, 2014, 135, 181-189.	3.7	116
7	Adsorption of copper ions from water by modified agricultural by-products. Desalination, 2008, 229, 170-180.	4.0	111
8	Levels of aflatoxin M1 in different types of milk collected in Serbia: Assessment of human and animal exposure. Food Control, 2014, 40, 113-119.	2.8	95
9	Modified hardwood sawdust as adsorbent of heavy metal ions from water. Wood Science and Technology, 2006, 40, 217-227.	1.4	84
10	Principal component analysis for soil contamination with organochlorine compounds. Chemosphere, 2007, 68, 2144-2152.	4.2	83
11	Occurence of the phthalate esters in soil and street dust samples from the Novi Sad city area, Serbia, and the influence on the childrenâ€™s and adultsâ€™ exposure. Journal of Hazardous Materials, 2016, 312, 272-279.	6.5	83
12	Principal component analysis for soil contamination with PAHs. Chemometrics and Intelligent Laboratory Systems, 2004, 72, 219-223.	1.8	81
13	Influence of smoking in traditional and industrial conditions on polycyclic aromatic hydrocarbons content in dry fermented sausages (PetrovskÃ¡ klobÃ¡sa) from Serbia. Food Control, 2014, 40, 12-18.	2.8	69
14	Nutritional and sensory evaluation of wheat breads supplemented with oleic-rich sunflower seed. Food Chemistry, 2008, 108, 119-129.	4.2	65
15	Seasonal, spatial variations and risk assessment of heavy elements in street dust from Novi Sad, Serbia. Chemosphere, 2018, 205, 452-462.	4.2	63
16	Seasonal occurrence and cancer risk assessment of polycyclic aromatic hydrocarbons in street dust from the Novi Sad city, Serbia. Science of the Total Environment, 2019, 647, 191-203.	3.9	61
17	Effects of hull-less barley flour and flakes on bread nutritional composition and sensory properties. Food Chemistry, 2009, 115, 982-988.	4.2	60
18	Principal mycotoxins in wheat flour from the Serbian market: Levels and assessment of the exposure by wheat-based products. Food Control, 2012, 25, 389-396.	2.8	58

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19	Concentrations of arsenic, cadmium and lead in selected foodstuffs from Serbian market basket: Estimated intake by the population from the Serbia. Food and Chemical Toxicology, 2013, 58, 440-448.	1.8	58
20	Opinion paper about organic trace pollutants in wastewater: Toxicity assessment in a European perspective. Science of the Total Environment, 2019, 651, 3202-3221.	3.9	57
21	Chemometric interpretation of heavy metal patterns in soils worldwide. Chemosphere, 2010, 80, 1360-1369.	4.2	56
22	Survey on the micro-pollutants presence in surface water system of northern Serbia and environmental and health risk assessment. Environmental Research, 2018, 166, 130-140.	3.7	56
23	Characterization of the Plant Growth-Promoting Activities of Endophytic Fungi Isolated from Sophora flavescens. Microorganisms, 2020, 8, 683.	1.6	55
24	Occurrence and assessment of environmental risks of endocrine disrupting compounds in drinking, surface and wastewaters in Serbia. Environmental Pollution, 2020, 262, 114344.	3.7	55
25	Principal component analysis of trace elements in industrial soils. Environmental Chemistry Letters, 2004, 2, 105-108.	8.3	50
26	Polycyclic Aromatic Hydrocarbons in Surface Soils of Novi Sad and Bank Sediment of the Danube River. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2005, 40, 29-42.	0.9	50
27	Fusarium mycotoxins in wheat samples harvested in Serbia: A preliminary survey. Food Control, 2011, 22, 1261-1267.	2.8	48
28	The influence of essential oil of aniseed (Pimpinella anisum, L.) on drug effects on the central nervous system. FÃ¬toterapÃ¬Ã¢, 2012, 83, 1466-1473.	1.1	47
29	Presence of aflatoxin M1 in white and hard cheese samples from Serbia. Food Control, 2015, 50, 111-117.	2.8	47
30	Screening chemical hazards of dry fermented sausages from distinct origins: Biogenic amines, polycyclic aromatic hydrocarbons and heavy elements. Journal of Food Composition and Analysis, 2017, 59, 124-131.	1.9	47
31	Multivariate analyses of microelement contents in wheat cultivated in Serbia (2002). Food Control, 2007, 18, 338-345.	2.8	46
32	Polycyclic aromatic hydrocarbons in urban soil of Novi Sad, Serbia: occurrence and cancer risk assessment. Environmental Science and Pollution Research, 2017, 24, 16148-16159.	2.7	45
33	AN EVALUATION OF RESIDUES AT AN OIL REFINERY SITE FOLLOWING FIRES. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2002, 37, 1029-1039.	0.9	43
34	Principal Component Analysis of Trace Elements in Serbian Wheat. Journal of Agricultural and Food Chemistry, 2005, 53, 2171-2175.	2.4	43
35	Principal component analysis of indicator PCB profiles in breast milk from Poland. Environment International, 2010, 36, 862-872.	4.8	42
36	Seasonal variation and health risk assessment of organochlorine compounds in urban soils of Novi Sad, Serbia. Chemosphere, 2017, 181, 101-110.	4.2	42

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37	Trace Metal Distribution in Surface Soils of Novi Sad and Bank Sediment of the Danube River. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2004, 39, 1547-1558.	0.9	40
38	The enrichment of wheat cookies with high-oleic sunflower seed and hull-less barley flour: Impact on nutritional composition, content of heavy elements and physical properties. Food Chemistry, 2011, 124, 1416-1422.	4.2	40
39	Development of a sensitive and robust online dual column liquid chromatography-tandem mass spectrometry method for the analysis of natural and synthetic estrogens and their conjugates in river water and wastewater. Analytical and Bioanalytical Chemistry, 2017, 409, 5427-5440.	1.9	40
40	Multielement profiles of soil, road dust, tree bark and wood-rotten fungi collected at various distances from high-frequency road in urban area. Ecological Indicators, 2012, 13, 168-177.	2.6	39
41	Distribution of heavy elements in urban and rural surface soils: the Novi Sad city and the surrounding settlements, Serbia. Environmental Monitoring and Assessment, 2013, 185, 457-471.	1.3	38
42	Ranking and similarity for quantitative structureâ€“retention relationship models in predicting Lee retention indices of polycyclic aromatic hydrocarbons. Analytica Chimica Acta, 2012, 716, 92-100.	2.6	37
43	Current state of the biodiesel production and the indigenous feedstock potential in Serbia. Renewable and Sustainable Energy Reviews, 2018, 81, 280-291.	8.2	32
44	Host metabolite producing endophytic fungi isolated from Hypericum perforatum. PLoS ONE, 2019, 14, e0217060.	1.1	32
45	Determination of mycotoxins in biscuits, dried fruits and fruit jams: an assessment of human exposure. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2017, 34, 1012-1025.	1.1	30
46	Micro-pollutants in sediment samples in the middle Danube region, Serbia: occurrence and risk assessment. Environmental Science and Pollution Research, 2018, 25, 260-273.	2.7	30
47	Chemometric interpretation of different biomass gasification processes based on the syngas quality: Assessment of crude glycerol co-gasification with lignocellulosic biomass. Renewable and Sustainable Energy Reviews, 2016, 59, 649-661.	8.2	27
48	Occurrence, seasonal variety of organochlorine compounds in street dust of Novi Sad, Serbia, and its implication for risk assessment. Science of the Total Environment, 2019, 662, 895-902.	3.9	27
49	Organochlorine pesticides and polychlorinated biphenyls in surface soils of Novi Sad and bank sediment of the Danube River. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2007, 42, 311-319.	0.7	26
50	Chemometric assessment of the semivolatile organic contaminants content in the atmosphere of the selected sites in the Republic of Macedonia. Journal of Chemometrics, 2011, 25, 262-274.	0.7	26
51	Toxic and essential elements in soft wheat grain cultivated in Serbia. European Food Research and Technology, 2005, 221, 361-366.	1.6	24
52	Bread and durum wheat compared for antioxidants contents, and lipoxygenase and peroxidase activities. International Journal of Food Science and Technology, 2010, 45, 1360-1367.	1.3	24
53	Prediction of the Lee retention indices of polycyclic aromatic hydrocarbons by artificial neural network. Journal of Chromatography A, 2006, 1108, 279-284.	1.8	22
54	Levels of Organochlorine Pesticides in Crops and Related Products From Vojvodina, Serbia: Estimated Dietary Intake. Archives of Environmental Contamination and Toxicology, 2008, 54, 628-636.	2.1	22

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55	Transesterification of linoleic and oleic sunflower oils to biodiesel using CaO as a solid base catalyst. Journal of the Serbian Chemical Society, 2012, 77, 815-832.	0.4	22
56	The level of elements and antioxidant activity of commercial dietary supplement formulations based on edible mushrooms. Food and Function, 2014, 5, 3170-3178.	2.1	22
57	Essential and toxic elements in commercial baby food on the Spanish and Serbian market. Food Additives and Contaminants: Part B Surveillance, 2017, 10, 27-38.	1.3	22
58	Profiles of polycyclic aromatic hydrocarbons in smoke from combustion and thermal decomposition of poplar wood pellets and sawdust. Microchemical Journal, 2018, 139, 9-17.	2.3	21
59	Validation of a method for determination of mycotoxins subjected to the EU regulations in spices: The UHPLCâ€“HESIâ€“MS/MS analysis of the crude extracts. Food Control, 2013, 31, 461-466.	2.8	18
60	Differentiation of syngases produced by steam gasification of mono- and mixed sources feedstock: A chemometric approach. Energy Conversion and Management, 2018, 171, 1193-1201.	4.4	18
61	Occurrence of heavy elements in street dust from sub/urban zone of Tianjin: pollution characteristics and health risk assessment. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2019, 54, 999-1010.	0.9	18
62	MOBILITY OF HEAVY METALS ORIGINATING FROM BOMBING OF INDUSTRIAL SITES. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2002, 37, 7-16.	0.9	17
63	Characterization of an extracellular laccase of Leptosphaerulina chartarum. World Journal of Microbiology and Biotechnology, 2014, 30, 2449-2458.	1.7	17
64	Multimycotoxin analysis of crude extracts of nuts with ultra-high performance liquid chromatography/tandem mass spectrometry. Journal of Food Composition and Analysis, 2014, 34, 171-177.	1.9	17
65	Chemometric Characterization of Vegetable Oils Based on the Fatty Acid Profiles for Selection of Potential Feedstocks for Biodiesel Production. Journal of Biobased Materials and Bioenergy, 2015, 9, 358-371.	0.1	15
66	Pollution status and health risk caused by heavy elements in the flooded soil and vegetables from typical agricultural region in Vojvodina Province, Serbia. Environmental Science and Pollution Research, 2021, 28, 16065-16080.	2.7	15
67	Iron, copper and zinc in white sugar from Serbian sugar beet refineries. Food Control, 2007, 18, 135-139.	2.8	14
68	Alkali-catalyzed production of biodiesel from waste frying oils. Journal of the Serbian Chemical Society, 2009, 74, 993-1007.	0.4	14
69	Determination of Metal Contents in Sugar Beet (Beta vulgaris) and Its Products: Empirical and Chemometrical Approach. Food Science and Technology Research, 2010, 16, 123-134.	0.3	14
70	Flexible sensors platform for determination of cadmium concentration in soil samples. Computers and Electronics in Agriculture, 2019, 166, 105001.	3.7	14
71	Does the application of human waste as a fertilization material in agricultural production pose adverse effects on human health attributable to contaminants of emerging concern?. Environmental Research, 2020, 182, 109132.	3.7	14
72	Comprehensive assessment of heavy elements and evaluation of potential human health risk in the urban environment: a case study from Novi Sad, Serbia. Environmental Science and Pollution Research, 2022, 29, 38551-38566.	2.7	14

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73	Discrimination between linear and non-linear models for retention indices of polycyclic aromatic hydrocarbons in the so-called Lee's scale. Chemometrics and Intelligent Laboratory Systems, 2004, 72, 167-171.	1.8	13
74	Non-dioxin-like PCBs in crops and related products: Levels and intakes in Serbia. Food Additives and Contaminants, 2007, 24, 652-662.	2.0	13
75	Organochlorine and organophosphate pesticide residues in wheat varieties from Serbia. Food Additives and Contaminants, 2007, 24, 695-703.	2.0	13
76	Isolation and Characterization of Antagonistic Bacillus Strains Capable to Degrade Ethylenethiourea. Current Microbiology, 2013, 66, 243-250.	1.0	13
77	Comparison of multianalyte proficiency test results by sum of ranking differences, principal component analysis, and hierarchical cluster analysis. Analytical and Bioanalytical Chemistry, 2013, 405, 8363-8375.	1.9	12
78	Esterification of sludge palm oil as a pretreatment step for biodiesel production. Waste Management and Research, 2015, 33, 723-729.	2.2	12
79	Survey on some contaminants in white sugar from Serbian sugar beet refineries. Food Additives and Contaminants, 2006, 23, 31-35.	2.0	11
80	Distribution of Chlorinated Organic Pollutants in a Wide Variety of Soils from Europe and Asia: A Multivariate Statistical Approach. Archives of Environmental Contamination and Toxicology, 2007, 52, 466-474.	2.1	11
81	Comprehensive characterization of PAHs profile in Serbian soils for conventional and organic production: potential sources and risk assessment. Environmental Geochemistry and Health, 2021, 43, 4201-4218.	1.8	11
82	An extension of semi-empirical gasâ€"liquid equilibrium model for sulfur dioxide absorption in aqueous sodium citrate solution. Chemical Engineering Science, 1991, 46, 3314-3317.	1.9	10
83	Separation and Purification of Aflatoxins by Centrifugal Partition Chromatography. Toxins, 2019, 11, 309.	1.5	10
84	Polycyclic aromatic hydrocarbons in smoked dry fermented sausages with protected designation of origin <i>PetrovskÃ¡ klobÃ¡sa</i> from Serbia. Macedonian Journal of Chemistry and Chemical Engineering, 2014, 33, 227.	0.2	10
85	Qualitative TLC determination of some polycyclic aromatic hydrocarbons in sugar-beet. Journal of the Serbian Chemical Society, 2005, 70, 1237-1242.	0.4	10
86	Application of principal component and hierarchical cluster analyses in the classification of Serbian bottled waters and a comparison with waters from some European countries. Journal of the Serbian Chemical Society, 2017, 82, 711-721.	0.4	10
87	Simple method for the rapid analysis of natural gas by gas chromatography. Chromatographia, 1983, 17, 44-46.	0.7	9
88	Influence of collagen and natural casings on the polycyclic aromatic hydrocarbons in traditional dry fermented sausage (PetrovskÃ¡ klobÃ¡sa) from Serbia. International Journal of Food Properties, 2018, 21, 667-673.	1.3	9
89	Assessing the impact of combustion and thermal decomposition properties of locally available biomass on the emissions of BTEX compounds by chemometric approach. Fuel, 2020, 282, 118824.	3.4	9
90	Unified retention indices of alkylbenzenes on OV-101 and SE-30. Chromatographia, 1993, 37, 215-217.	0.7	8

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91	Unified retention concept â€“ statistical treatment of KovÃ¡ts retention index. Journal of Chromatography A, 1997, 764, 257-264.	1.8	8
92	Comprehensive characterization of stress tolerant bacteria with plant growth-promoting potential isolated from glyphosate-treated environment. World Journal of Microbiology and Biotechnology, 2021, 37, 94.	1.7	8
93	Polycyclic aromatic hydrocarbons in surface soils of Novi Sad and bank sediment of the Danube River. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2005, 40, 29-42.	0.9	8
94	Artificial neural network prediction of quantitative structure: Retention relationships of polycyclic aromatic hydocarbons in gas chromatography. Journal of the Serbian Chemical Society, 2005, 70, 1291-1300.	0.4	7
95	Contribution to the unified retention data of hydrocarbons on squalane. Chromatographia, 1996, 42, 660-664.	0.7	6
96	Tracing Nutritional Composition of Dry Fermented Sausages from Distinct Origins. Journal of Food Processing and Preservation, 2015, 39, 2969-2978.	0.9	6
97	Ranking and similarity of conventional, microwave and ultrasound element sequential extraction methods. Chemosphere, 2018, 198, 103-110.	4.2	6
98	Unified retention indices of hydrocarbons on BP-1 dimethylsiloxane stationary phase. Chromatographia, 1992, 34, 83-84.	0.7	5
99	Liquid holdup determination in packed columns for sulfur dioxide absorption. Separation and Purification Technology, 1994, 8, 13-16.	0.3	5
100	Correlation of unified retention indices for OV-101 and squalane. Chromatographia, 1993, 35, 109-110.	0.7	4
101	Citrate process for SO2 recovery: Vapour-liquid data and correlation. Separation and Purification Technology, 1993, 7, 27-30.	0.3	4
102	Nutritional and sensorial aspects of wheat bread enriched with high-oleic sunflower seed. Acta Alimentaria, 2011, 40, 194-204.	0.3	4
103	Mycotoxins, trace elements, and phthalates in marketed rice of different origin and exposure assessment. Food Additives and Contaminants: Part B Surveillance, 2017, 10, 1-12.	1.3	4
104	Element intakes through the consumption of different types of bread by Serbian population. Acta Alimentaria, 2007, 36, 217-229.	0.3	4
105	Conventional and advanced liquid biofuels. Hemijska Industrija, 2016, 70, 225-241.	0.3	3
106	Comparison of methods for prediction of the retention data of aromatic hydrocarbons on UCON LB 550X and on polydimethylsiloxane. Chromatographia, 1998, 47, 721-723.	0.7	2
107	POLYCYCLIC AROMATIC HYDROCARBONS IN PRODUCTS OF A BEET SUGAR FACTORY IN VOJVODINA: LEVELS AND INTAKES. Polycyclic Aromatic Compounds, 2008, 28, 348-361.	1.4	2
108	Bioprospecting and biodiversity investigations of endophytic fungi isolated from Juniperus communis. Acta Biologica Szegediensis, 2021, 64, 129-138.	0.7	2

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109	Levels and risk assessment of selected persistent organic compounds in dust samples from Tianjin, China. Acta Periodica Technologica, 2019, , 295-303.	0.5	2
110	An extended ishii-otto algorithm for multistage multicomponent separation calculation with stage efficiencies included. Computers and Chemical Engineering, 1984, 8, 249-251.	2.0	1
111	Comparative analysis of methods for determination of calorific values of natural gas mixtures. Fuel Processing Technology, 1991, 28, 307-314.	3.7	0
112	Organochlorine Pesticides in Soil and Sediment from an Urban Zone of Novi Sad, Serbia. , 2010, , 1469-1481.		0