

Aleksandar Popovic

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

1,420
citations

304368

22
h-index

360668

35
g-index

79
all docs

79
docs citations

79
times ranked

1738
citing authors

#	ARTICLE	IF	CITATIONS
1	Polycyclic aromatic hydrocarbons (PAHs) in different types of smoked meat products from Serbia. <i>Meat Science</i> , 2008, 80, 449-456.	2.7	105
2	Trace and major element pollution originating from coal ash suspension and transport processes. <i>Environment International</i> , 2001, 26, 251-255.	4.8	71
3	Monitoring of trace element atmospheric deposition using dry and wet moss bags: Accumulation capacity versus exposure time. <i>Journal of Hazardous Materials</i> , 2009, 171, 182-188.	6.5	68
4	Air quality in urban parking garages (PM10, major and trace elements, PAHs): Instrumental measurements vs. active moss biomonitoring. <i>Atmospheric Environment</i> , 2014, 85, 31-40.	1.9	67
5	Determination of metal content in some herbal drugs – Empirical and chemometric approach. <i>Talanta</i> , 2005, 67, 233-239.	2.9	61
6	Speciations of trace metals in the Danube alluvial sediments within an oil refinery. <i>Environment International</i> , 2005, 31, 661-669.	4.8	56
7	Cadmium retention and distribution in contaminated soil: effects and interactions of soil properties, contamination level, aging time and in situ immobilization agents. <i>Ecotoxicology and Environmental Safety</i> , 2019, 174, 305-314.	2.9	51
8	Assessment of Atmospheric Deposition of Heavy Metals and Other Elements in Belgrade Using the Moss Biomonitoring Technique and Neutron Activation Analysis. <i>Environmental Monitoring and Assessment</i> , 2007, 129, 207-219.	1.3	48
9	Active moss biomonitoring for extensive screening of urban air pollution: Magnetic and chemical analyses. <i>Science of the Total Environment</i> , 2015, 521-522, 200-210.	3.9	45
10	Assessment of major and trace element bioavailability in vineyard soil applying different single extraction procedures and pseudo-total digestion. <i>Chemosphere</i> , 2017, 171, 284-293.	4.2	40
11	Bioavailability of potentially toxic elements in soil – grapevine (leaf, skin, pulp and seed) system and environmental and health risk assessment. <i>Science of the Total Environment</i> , 2018, 626, 528-545.	3.9	40
12	Biomagnetic monitoring of urban air pollution using moss bags (<i>Sphagnum girgensohnii</i>). <i>Ecological Indicators</i> , 2015, 52, 40-47.	2.6	38
13	Biodegradation of polystyrene-graft-starch copolymers in three different types of soil. <i>Environmental Science and Pollution Research</i> , 2014, 21, 9877-9886.	2.7	37
14	Active moss biomonitoring of small-scale spatial distribution of airborne major and trace elements in the Belgrade urban area. <i>Environmental Science and Pollution Research</i> , 2013, 20, 5461-5470.	2.7	36
15	Moss bag biomonitoring of airborne toxic element decrease on a small scale: A street study in Belgrade, Serbia. <i>Science of the Total Environment</i> , 2016, 542, 394-403.	3.9	36
16	Aquatic sediments pollution estimate using the metal fractionation, secondary phase enrichment factor calculation, and used statistical methods. <i>Environmental Geochemistry and Health</i> , 2016, 38, 855-867.	1.8	32
17	Residential heating contribution to level of air pollutants (PAHs, major, trace, and rare earth) Tj ETQq1 1 0.784314 rBT /Overlock 10	2.7	27
18	Chemical speciation of metals in unpolluted soils of different types: Correlation with soil characteristics and an ANN modelling approach. <i>Journal of Geochemical Exploration</i> , 2016, 165, 71-80.	1.5	26

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19	Contribution of marine and continental aerosols to the content of major ions in the precipitation of the central Mediterranean. <i>Science of the Total Environment</i> , 2006, 370, 441-451.	3.9	25
20	Amine activators influence on grafting reaction between methacrylic acid and starch. <i>Carbohydrate Polymers</i> , 2012, 88, 1407-1413.	5.1	25
21	Polycyclic aromatic hydrocarbons (PAHs) in traditional and industrial smoked beef and pork ham from Serbia. <i>European Food Research and Technology</i> , 2008, 227, 1191-1198.	1.6	24
22	Conventional, microwave, and ultrasound sequential extractions for the fractionation of metals in sediments within the Petrochemical Industry, Serbia. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 7627-7645.	1.3	22
23	Comparison of the swelling kinetics of a partially neutralized poly(acrylic acid) hydrogel in distilled water and physiological solution. <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 1139-1153.	0.4	21
24	Assessment of species-specific and temporal variations of major, trace and rare earth elements in vineyard ambient using moss bags. <i>Ecotoxicology and Environmental Safety</i> , 2017, 144, 208-215.	2.9	20
25	Synthesis and characterization of a new type of levan-graft-polystyrene copolymer. <i>Carbohydrate Polymers</i> , 2016, 154, 20-29.	5.1	19
26	Pollution and Health Risk Assessments of Potentially Toxic Elements in Soil and Sediment Samples in a Petrochemical Industry and Surrounding Area. <i>Molecules</i> , 2019, 24, 2139.	1.7	19
27	Fractionation and potential mobility of trace metals in Danube alluvial aquifer within an industrialized zone. <i>Environmental Monitoring and Assessment</i> , 2010, 171, 229-248.	1.3	17
28	The first survey of airborne trace elements at airport using moss bag technique. <i>Environmental Science and Pollution Research</i> , 2017, 24, 15107-15115.	2.7	17
29	Environmental pollution influence to soil-plant-air system in organic vineyard: bioavailability, environmental, and health risk assessment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 3361-3374.	2.7	17
30	Comparison of single extraction procedures and the application of an index for the assessment of heavy metal bioavailability in river sediments. <i>Environmental Science and Pollution Research</i> , 2016, 23, 21485-21500.	2.7	16
31	Occurrence of synthetic musk compounds in surface, underground, waste and processed water samples in Belgrade, Serbia. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	16
32	Inorganic analysis of herbal drugs, Part I: Metal determination in herbal drugs originating from medicinal plants of the family Lamiaceae. <i>Journal of the Serbian Chemical Society</i> , 2005, 70, 1347-1355.	0.4	15
33	Biodegradation of starch-graft-polystyrene and starch-graft-poly(methacrylic acid) copolymers in model river water. <i>Journal of the Serbian Chemical Society</i> , 2013, 78, 1425-1441.	0.4	15
34	Introducing of modeling techniques in the research of POPs in breast milk – A pilot study. <i>Ecotoxicology and Environmental Safety</i> , 2019, 172, 341-347.	2.9	15
35	Interpretative optimization and artificial neural network modeling of the gas chromatographic separation of polycyclic aromatic hydrocarbons. <i>Talanta</i> , 2008, 76, 66-71.	2.9	14
36	Organochlorine pesticides (OCPs) and polychlorinated biphenyls (PCBs) in Cyprinidae fish: Towards hints of their arrangements using advanced classification methods. <i>Environmental Research</i> , 2018, 165, 349-357.	3.7	14

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37	Geochemical Fractionation and Risk Assessment of Potentially Toxic Elements in Sediments from Kupa River, Croatia. <i>Water (Switzerland)</i> , 2020, 12, 2024.	1.2	14
38	Long-term changes in the eco-chemical status of the Danube River in the region of Serbia. <i>Journal of the Serbian Chemical Society</i> , 2010, 75, 1125-1148.	0.4	13
39	Assessment of the pseudo total metal content in alluvial sediments from Danube River, Serbia. <i>Environmental Earth Sciences</i> , 2011, 63, 1303-1317.	1.3	13
40	Integrated approach to environmental pollution investigation – Spatial and temporal patterns of potentially toxic elements and magnetic particles in vineyard through the entire grapevine season. <i>Ecotoxicology and Environmental Safety</i> , 2018, 163, 245-254.	2.9	11
41	pH-Dependent Leaching of Dump Coal Ash – Retrospective Environmental Analysis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2009, 31, 1553-1560.	1.2	10
42	Leaching of polycyclic aromatic hydrocarbons from power plant lignite ash – influence of parameters important for environmental pollution. <i>Environmental Science and Pollution Research</i> , 2014, 21, 3435-3442.	2.7	10
43	Leaching of trace and major elements from coal ash dumps. <i>Toxicological and Environmental Chemistry</i> , 2000, 75, 141-150.	0.6	9
44	Long-term seasonal changes of the Danube River eco-chemical status in the region of Serbia. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 2805-2828.	1.3	9
45	Fatty acids, persistent organic pollutants, and trace elements in small pelagic fish from the eastern Mediterranean Sea. <i>Marine Pollution Bulletin</i> , 2021, 170, 112654.	2.3	8
46	Speciation of selected trace and major elements in lignite used in "Nikola Tesla A" power plant (Obrenovac, Serbia). <i>Journal of the Serbian Chemical Society</i> , 2005, 70, 1497-1513.	0.4	8
47	Speciation of Trace and Major Elements from Coal Combustion Products of Serbian Power Plants (II) – Obilic Power Plant. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2011, 33, 2309-2318.	1.2	7
48	Associations and Pollution Potential of Selected Trace and Major Elements in Filter Lignite Ash from the "Nikola Tesla A" Power Plant (Obrenovac, Serbia) (I) – Leaching Experiments. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2013, 35, 529-537.	1.2	7
49	Emission of Polycyclic Aromatic Hydrocarbons from Beech Wood Combustion. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2013, 35, 328-336.	1.2	6
50	Influence of amine activators and reaction parameters on grafting reaction between polystyrene and starch. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	6
51	Ranking and similarity of conventional, microwave and ultrasound element sequential extraction methods. <i>Chemosphere</i> , 2018, 198, 103-110.	4.2	6
52	Biodegradation of copolymer obtained by grafting reaction between methacrylic acid and starch. <i>Polymer Bulletin</i> , 2019, 76, 2197-2213.	1.7	6
53	Air Pollution by Pollen Grains of Anemophilous Species: Influence of Chemical and Meteorological Parameters. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	5
54	Trace and Major Elements in Ash of "Nikola Tesla A" Power Plant Dump (I) – Leached Concentrations and Environmental Implications. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2015, 37, 1224-1232.	1.2	5

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55	Pollution by Urticaceae pollenâ€”influence of selected air pollutants and meteorological parameters. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10072-10079.	2.7	5
56	Glycidyl methacrylate macroporous copolymer grafted with diethylene triamine as sorbent for Reactive Black 5. <i>Hemijaska Industrija</i> , 2014, 68, 685-699.	0.3	5
57	Distribution of Trace and Major Elements in Lignite and Products of Its Combustion-Leaching Experiments and Cluster Analysis. , 2008, , .		4
58	Geochemical Fractionation and Assessment of Probabilistic Ecological Risk of Potential Toxic Elements in Sediments Using Monte Carlo Simulations. <i>Molecules</i> , 2019, 24, 2145.	1.7	4
59	Analysis of human exhaled breath in a population of young volunteers. <i>Archives of Biological Sciences</i> , 2014, 66, 1529-1538.	0.2	4
60	Biophysical and structural analysis of human acidic fibroblast growth factor. <i>Techniques in Protein Chemistry</i> , 1997, 8, 745-753.	0.3	3
61	Trace and Major Elements in Ash of â€œNikola Tesla Aâ€•Power Plant Dump (II)-Associations of Elements in Active Cassette Ash. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2015, 37, 1291-1299.	1.2	3
62	Distribution of organochlorine pesticides and polychlorinated biphenyls in two species of fish from Danube. <i>Tehnologija Mesa</i> , 2013, 54, 69-78.	0.1	3
63	Moss bag sensitivity for the assessment of airborne elements at suburban background site during spring/summer season characterized by Saharan dust intrusions. <i>Air Quality, Atmosphere and Health</i> , 2022, 15, 1357-1377.	1.5	3
64	Influence of Coal Ash and Slag Dumping on Dump Waste Waters of the Kostolac Power Plants (Serbia). <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2006, 28, 1189-1201.	1.2	2
65	Influence of crystal form and morphological characteristics of CaCO ₃ particles on kinetic of combustion gases desulfurization. <i>Fuel Processing Technology</i> , 2008, 89, 773-776.	3.7	2
66	Hydrothermal Transformation of Sawdust into Synthetic Coke-Mechanism and Influence of Experimental Parameters. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2009, 31, 807-813.	1.2	2
67	Influence of Anthropogenic and Environmental Conditions on Polycyclic Aromatic Hydrocarbon Pollution Originating from Coal Ash Dumps. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	2
68	Organochlorines burden in moss <i>H. cupressiforme</i> and topsoil across Serbia. <i>Environmental Geochemistry and Health</i> , 2021, 43, 273-283.	1.8	2
69	Removal of heavy metals from aqueous media by sunflower husk: A comparative study of biosorption efficiency by using ICP-OES and LIBS. <i>Journal of the Serbian Chemical Society</i> , 2022, 87, 939-952.	0.4	2
70	Kinetics of Cu ²⁺ binding to the poly(acrylic acid) hydrogel. <i>Russian Journal of Physical Chemistry A</i> , 2007, 81, 1374-1379.	0.1	1
71	Prevention of Trace and Major Element Leaching from Coal Combustion Products by Hydrothermally-Treated Coal Ash. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2009, 31, 1387-1396.	1.2	1
72	Trace and Major Elements in Ash of â€œNikola Tesla Aâ€•Power Plant (III)â€”Associations of Elements in Passive Cassette Ash. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2015, 37, 1487-1494.	1.2	1

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73	Theoretical study of nitrodibenzofurans: A possible relationship between molecular properties and mutagenic activity. <i>Journal of Hazardous Materials</i> , 2016, 318, 623-630.	6.5	1
74	Evaluation of Element Mobility in River Sediment Using Different Single Extraction Procedures and Assessment of Probabilistic Ecological Risk. <i>Water (Switzerland)</i> , 2021, 13, 1411.	1.2	1
75	Optimization of Gas Chromatography-electron Ionization-tandem Mass Spectrometry for Determining Toxic Non- Polychlorinated Biphenyls in Breast Milk. <i>Biomedical and Environmental Sciences</i> , 2020, 33, 58-61.	0.2	1
76	Associations and Pollution Potential of Selected Trace and Major Elements in Filter Lignite Ashâ€™Statistical Analysis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2015, 37, 987-996.	1.2	0
77	Determination of PAH4 compounds in smoked meat and meat products: Elaboration of the method. <i>Tehnologija Mesa</i> , 2014, 55, 184-198.	0.1	0
78	Benzo[a]pyrene, benz[a]anthracene, benzo[b]fluoranthene and chrysene in smoked meat and smoked meat products: Validation of the method. <i>Hemijska Industrija</i> , 2016, 70, 299-305.	0.3	0
79	To Professor Petar Pfenđt, In calidum, et plurium retributivus memoriae: FTIR-ATR analysis of post stamps of Principality of Serbia issued in 1866 and 1868 and their forgeries. <i>Journal of the Serbian Chemical Society</i> , 2022, 87, 27-40.	0.4	0