

Biljana P DojÄinoviÄ

List of Publications by Year in descending order

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94
papers

1,673
citations

331259

21
h-index

344852

36
g-index

95
all docs

95
docs citations

95
times ranked

2556
citing authors

#	ARTICLE	IF	CITATIONS
1	Decolorization of reactive textile dyes using water falling film dielectric barrier discharge. Journal of Hazardous Materials, 2011, 192, 763-771.	6.5	165
2	Measurement of reactive species generated by dielectric barrier discharge in direct contact with water in different atmospheres. Journal Physics D: Applied Physics, 2017, 50, 155205.	1.3	137
3	Synthesis and Characterization of Self-Assembled Polyaniline Nanotubes/Silica Nanocomposites. Journal of Physical Chemistry B, 2009, 113, 7116-7127.	1.2	71
4	Degradation of triketone herbicides, mesotrione and sulcotrione, using advanced oxidation processes. Journal of Hazardous Materials, 2013, 260, 1092-1099.	6.5	71
5	Mineral content of bee pollen from Serbia / Sadržaj minerala u uzorcima pčelinjega peluda iz Srbije. Arhiv Za Higijenu Rada I Toksikologiju, 2015, 66, 251-258.	0.4	59
6	Chemical Composition of Two Different Extracts of Berries Harvested in Serbia. Journal of Agricultural and Food Chemistry, 2013, 61, 4188-4194.	2.4	51
7	Preparation, characterization and photocatalytic activity of lanthanum and vanadium co-doped mesoporous TiO ₂ for azo-dye degradation. Journal of Molecular Catalysis A, 2013, 378, 67-75.	4.8	41
8	Strong <i>in Vitro</i> Cytotoxic Potential of New Ruthenium–Cymene Complexes. Organometallics, 2015, 34, 3464-3473.	1.1	41
9	Spatial monitoring of heavy metals in the inland waters of Serbia: a multispecies approach based on commercial fish. Environmental Science and Pollution Research, 2016, 23, 9918-9933.	2.7	40
10	Phenolic and mineral profiles of four Balkan indigenous apple cultivars monitored at two different maturity stages. Journal of Food Composition and Analysis, 2014, 35, 101-111.	1.9	37
11	Effect of different catalysts on mesotrione degradation in water falling film DBD reactor. Chemical Engineering Journal, 2014, 248, 63-70.	6.6	37
12	Synthesis, characterization and cytotoxic activity of novel platinum(II) iodido complexes. European Journal of Medicinal Chemistry, 2014, 82, 372-384.	2.6	32
13	Rosemary Essential Oils as a Promising Source of Bioactive Compounds: Chemical Composition, Thermal Properties, Biological Activity, and Gastronomical Perspectives. Foods, 2021, 10, 2734.	1.9	29
14	Plasma assisted degradation of phenol solutions. Vacuum, 2008, 83, 234-237.	1.6	28
15	Influence of rootstocks on the chemical composition of the fruits of plum cultivars. Journal of Food Composition and Analysis, 2020, 92, 103480.	1.9	28
16	Evaluation of functionalized mesoporous silica SBA-15 as a carrier system for Ph ₃ Sn(CH ₂) ₃ OH against the A2780 ovarian carcinoma cell line. Dalton Transactions, 2016, 45, 18984-18993.	1.6	27
17	Bifunctional (Zn,Fe)3O ₄ nanoparticles: Tuning their efficiency for potential application in reagentless glucose biosensors and magnetic hyperthermia. Journal of Alloys and Compounds, 2019, 777, 454-462.	2.8	26
18	Individual effects of different selenocompounds on the hepatic proteome and energy metabolism of mice. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3323-3334.	1.1	25

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19	Degradation and detoxification of the 4-chlorophenol by non-thermal plasma-influence of homogeneous catalysts. <i>Separation and Purification Technology</i> , 2015, 154, 246-254.	3.9	24
20	SBA-15 mesoporous silica particles loaded with cisplatin induce senescence in B16F10 cells. <i>RSC Advances</i> , 2016, 6, 111031-111040.	1.7	23
21	Evaluation of genotoxic potential in the Velika Morava River Basin in vitro and in situ. <i>Science of the Total Environment</i> , 2018, 621, 1289-1299.	3.9	23
22	Deposition of Gold Nanoparticles on Polypropylene Nonwoven Pretreated by Dielectric Barrier Discharge and Diffuse Coplanar Surface Barrier Discharge. <i>Plasma Chemistry and Plasma Processing</i> , 2013, 33, 201-218.	1.1	22
23	Chemical Characterization of Fruit Wine Made from OblaÄnska Sour Cherry. <i>Scientific World Journal, The</i> , 2014, 2014, 1-9.	0.8	21
24	Deposition of silver ions onto DBD and DCSBD plasma treated nonwoven polypropylene. <i>Surface and Coatings Technology</i> , 2012, 206, 5006-5011.	2.2	20
25	Synthesis and characterization of poly(ester ether siloxane)s. <i>Polymer International</i> , 2006, 55, 1304-1314.	1.6	19
26	Decolorization of reactive black 5 using dielectric barrier discharge in the presence of inorganic salts. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 535-548.	0.4	19
27	Degradation of nicotine in water solutions using a water falling film DBD plasma reactor: direct and indirect treatment. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 174003.	1.3	19
28	A Voltammetric Sensor Based on MgFe ₂ O ₄ Decorated on Reduced Graphene Oxideâ€modified Electrode for Sensitive and Simultaneous Determination of Catechol and Hydroquinone. <i>Electroanalysis</i> , 2018, 30, 2620-2627.	1.5	19
29	Chemical Composition, Total Phenols and Flavonoids Contents and Antioxidant Activity as Nutritive Potential of Roasted Hazelnut Skins (<i>Corylus avellana</i> L.). <i>Foods</i> , 2020, 9, 430.	1.9	19
30	Speciation of ⁹⁰ Sr and other metal cations in artificially contaminated soils: the influence of bone sorbent addition. <i>Journal of Soils and Sediments</i> , 2013, 13, 383-393.	1.5	18
31	Cell cycle, apoptosis, cellular uptake and whole-transcriptome microarray gene expression analysis of HeLa cells treated with a ruthenium(II)-arene complex with an isoquinoline-3-carboxylic acid ligand. <i>Journal of Inorganic Biochemistry</i> , 2016, 163, 362-373.	1.5	18
32	Antitumor activity of organoruthenium complexes with chelate aromatic ligands, derived from 1,10-phenantroline: Synthesis and biological activity. <i>Journal of Inorganic Biochemistry</i> , 2020, 202, 110869.	1.5	18
33	Arsenic in drinking water and acute coronary syndrome in Zrenjanin municipality, Serbia. <i>Environmental Research</i> , 2012, 117, 75-82.	3.7	17
34	Study of Simultaneous Radionuclide Sorption by Mixture Design Methodology. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 11212-11221.	1.8	17
35	Chitosan Nanoparticles Functionalized Viscose Fabrics as Potentially Durable Antibacterial Medical Textiles. <i>Materials</i> , 2021, 14, 3762.	1.3	17
36	Comparison of two methods for removal of arsenic from potable water. <i>Vacuum</i> , 2008, 83, 142-145.	1.6	16

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37	Iron Oxide Nanoflower-Based Screen Print Electrode for Enhancement Removal of Organic Dye Using Electrochemical Approach. <i>Electrocatalysis</i> , 2019, 10, 663-671.	1.5	15
38	In Vitro Evaluation of Antiproliferative Properties of Novel Organotin(IV) Carboxylate Compounds with Propanoic Acid Derivatives on a Panel of Human Cancer Cell Lines. <i>Molecules</i> , 2021, 26, 3199.	1.7	15
39	Synthesis, chemical characterization, PARP inhibition, DNA binding and cellular uptake of novel ruthenium(II)-arene complexes bearing benzamide derivatives in human breast cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2020, 210, 111155.	1.5	14
40	Heteropentanuclear Oxalato-Bridged $\text{Ln}_4\text{Ln}'_5$ Metal Complexes with NO Ligand: Synthesis, Crystal Structures, Aqueous Stability and Antiproliferative Activity. <i>Chemistry - A European Journal</i> , 2015, 21, 13703-13713.	1.7	13
41	Synthesis, characterization and in vitro biological evaluation of novel organotin(IV) compounds with derivatives of 2-(5-arylidene-2,4-dioxothiazolidin-3-yl)propanoic acid. <i>Journal of Inorganic Biochemistry</i> , 2020, 211, 111207.	1.5	13
42	Simultaneous Determination of Pb and Cd Traces in Water Samples by Anodic Stripping Voltammetry Using a Modified GC Electrode. <i>Electroanalysis</i> , 2011, 23, 1928-1933.	1.5	12
43	In vitro antitumor activity, metal uptake and reactivity with ascorbic acid and BSA of some gold(III) complexes with N,N'-ethylenediamine bidentate ester ligands. <i>Journal of Inorganic Biochemistry</i> , 2017, 172, 55-66.	1.5	12
44	Preliminary investigation of mineral content of pollen collected from different Serbian maize hybrids "is there any potential nutritional value?". <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 2803-2809.	1.7	12
45	Antitumor potential of cisplatin loaded into SBA-15 mesoporous silica nanoparticles against B16F1 melanoma cells: in vitro and in vivo studies. <i>Journal of Inorganic Biochemistry</i> , 2021, 217, 111383.	1.5	12
46	Comparison of liquid and liquid-gas phase plasma reactors for discoloration of azo dyes: Analysis of degradation products. <i>Plasma Processes and Polymers</i> , 2018, 15, 1700178.	1.6	11
47	Microwave assisted hydrothermal synthesis of $(\text{Fe},\text{Co})_3\text{O}_4$ nanoparticles in the presence of surfactants and effects of Co/Fe ratio on microstructure and magnetism. <i>Ceramics International</i> , 2018, 44, 13967-13972.	2.3	11
48	New organoruthenium compounds with pyrido[2,3-a:5,6]pyrazino[2,3-f][1,10]phenanthroline: synthesis, characterization, cytotoxicity, and investigation of mechanism of action. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 297-310.	1.1	11
49	Obtaining jute fabrics with enhanced sorption properties and "closing the loop" of their lifecycle. <i>Industrial Crops and Products</i> , 2021, 171, 113913.	2.5	11
50	Polyphenolics and Chemical Profiles of Domestic Norwegian Apple (<i>Malus domestica</i> Borkh.) Cultivars. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	11
51	Physicochemical Properties of Waters in Southern Banat (Serbia); Potential Leaching of Some Trace Elements from Ground and Human Health Risk. <i>Exposure and Health</i> , 2016, 8, 227-238.	2.8	10
52	Biocompatibility Investigation of New Endodontic Materials Based on Nanosynthesized Calcium Silicates Combined with Different Radiopacifiers. <i>Journal of Endodontics</i> , 2017, 43, 425-432.	1.4	10
53	Rapid electrochemical method for the determination of L-DOPA in extract from the seeds of <i>Mucuna pruriata</i> . <i>Acta Chimica Slovenica</i> , 2016, 63, 220-226.	0.2	10
54	Application of non-thermal plasma reactor for degradation and detoxification of high concentrations of dye Reactive Black 5 in water. <i>Journal of the Serbian Chemical Society</i> , 2016, 81, 829-845.	0.4	10

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55	Fenton-like oxidation of azo dye using mesoporous Fe/TiO ₂ prepared by microwave-assisted hydrothermal process. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 977-991.	0.4	9
56	Kinetic and isotherm studies for nickel ionsâ€™ biosorption by jute fabrics. <i>Journal of the Serbian Chemical Society</i> , 2021, 86, 885-897.	0.4	9
57	Assessment of spa mineral water quality from VrnjaÄka Banja, Serbia: geochemical, bacteriological, and health risk aspects. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 648.	1.3	8
58	Interactions of acidic soil near copper mining and smelting complex and waste-derived alkaline additives. <i>Geoderma</i> , 2019, 352, 241-250.	2.3	8
59	Alkaline soda Lake Velika Rusanda (Serbia): the first insight into diatom diversity of this extreme saline lake. <i>Extremophiles</i> , 2019, 23, 347-357.	0.9	8
60	Synthesis of thermoplastic poly(ester-siloxane)s in the melt and in solution. <i>Journal of the Serbian Chemical Society</i> , 2005, 70, 1469-1485.	0.4	8
61	The comparison of sample extraction procedures for the determination of cations in soil by IC and ICP-AES. <i>Open Chemistry</i> , 2011, 9, 481-491.	1.0	7
62	Activation of OxoneÂ® with plasma deposited mixed cobalt and alumina oxide for the dye degradation. <i>Applied Surface Science</i> , 2020, 503, 144144.	3.1	7
63	Can a benthic diatom community complement chemical analyses and discriminate between disturbed and undisturbed saline wetland habitats? A study of seven soda pans in Serbia. <i>Wetlands Ecology and Management</i> , 2021, 29, 451-466.	0.7	7
64	Characterization of <i>Morus</i> species in respect to micro, macro, and toxic elements. <i>Acta Periodica Technologica</i> , 2014, , 229-237.	0.5	7
65	Distribution of major and trace elements in the Kovin lignite (Serbia). <i>Geologia Croatica</i> , 2019, 72, 51-79.	0.3	6
66	Evaluation of azamethiphos and dimethoate degradation using chlorine dioxide during water treatment. <i>Environmental Science and Pollution Research</i> , 2020, 27, 27147-27160.	2.7	6
67	A Strategy to Revalue a Wood Waste for Simultaneous Cadmium Removal and Wastewater Disinfection. <i>Adsorption Science and Technology</i> , 2021, 2021, 1-14.	1.5	6
68	Degradation of anionic surfactants using the reactor based on dielectric barrier discharge. <i>Journal of the Serbian Chemical Society</i> , 2016, 81, 1097-1107.	0.4	6
69	Degradation of Triton Xâ€™100 in Water Falling Film Dielectric Barrier Discharge Reactor. <i>Clean - Soil, Air, Water</i> , 2016, 44, 422-429.	0.7	5
70	Assessment of Degradation of Sulfonylurea Herbicides in Water by Chlorine Dioxide. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	5
71	Differently shaped nanocrystalline (Fe, Y) ₃ O ₄ and its adsorption efficiency toward inorganic arsenic species. <i>Nanotechnology</i> , 2019, 30, 475702.	1.3	5
72	Phenolic and mineral profile of Balkan indigenous apple and pear cultivars. <i>Journal of the Serbian Chemical Society</i> , 2016, 81, 607-621.	0.4	5

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73	Sensing Platform Based on Carbon Paste Electrode Modified with Bismuth Oxide Nanoparticles and SWCNT for Submicromolar Quantification of Honokiol. <i>Food Analytical Methods</i> , 2022, 15, 856-867.	1.3	5
74	Organobentonites as multifunctional adsorbents of organic and inorganic water pollutants. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 253-263.	0.4	4
75	Structural and electrochemical properties of the Li ₂ FeP ₂ O ₇ /C composite prepared using soluble methylcellulose. <i>Journal of Alloys and Compounds</i> , 2019, 786, 912-919.	2.8	4
76	Micro/trace/toxic elements and insecticide residues level in monofloral bee-collected sunflower pollen- health risk assessment. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2022, 57, 568-575.	0.7	4
77	About the mode of incorporation of silanol-terminated polysiloxanes into butylene terephthalate-b-dimethylsiloxane copolymers. <i>Reactive and Functional Polymers</i> , 2008, 68, 851-860.	2.0	3
78	Sponge-like europium oxide from hollow carbon sphere as a template for an anode material for Reactive Blue 52 electrochemical degradation. <i>Materials Chemistry and Physics</i> , 2021, 273, 125154.	2.0	3
79	Evaluation of water, sucrose and minerals effective diffusivities during osmotic treatment of pork in sugar beet molasses. <i>Hemijaska Industrija</i> , 2015, 69, 241-251.	0.3	3
80	Synthesis, physicochemical, and antimicrobial characteristics of novel poly(urethane-siloxane) network/silver ferrite nanocomposites. <i>Journal of Materials Science</i> , 2022, 57, 7827-7848.	1.7	3
81	Artificial sandpit lake as a habitat of brackish diatom species. <i>Botany Letters</i> , 2022, 169, 360-369.	0.7	3
82	Dielectric spectroscopy of nanocomposites based on iPP and aPS treated in the water solutions of alkali metal salts. <i>Polymers for Advanced Technologies</i> , 2018, 29, 1826-1833.	1.6	2
83	Tailoring IONP shape and designing nanocomposite IONS@GN toward modification of SPCE to enhance electrochemical degradation of organic dye. <i>Materials Research Express</i> , 2020, 7, 015509.	0.8	2
84	Arsenic removal from aqueous solutions by sorption onto zirconium- and titanium-modified sorbents. <i>Journal of the Serbian Chemical Society</i> , 2011, 76, 1427-1436.	0.4	1
85	Development and validation of a simple thin-layer chromatographic method for the analysis of p-chlorophenol in treated wastewater. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 1649-1659.	0.4	1
86	Occurrence of <i>Botryococcus terribilis</i> KomÄ;rek & Marvan in a small sandpit lake: The first report from Serbia. <i>Zbornik Matice Srpske Za Prirodne Nauke</i> , 2021, , 45-57.	0.0	1
87	Content and Nutritional Value of Selected Biogenic Elements in Monofloral Sunflower Bee-Collected Pollen from Serbia. <i>IFMBE Proceedings</i> , 2020, , 211-217.	0.2	1
88	Fab(e)ricating Tales: OnHomo Faber, a Novel by Max Frisch and a Movie by Volker SchlÄ;ndorff. <i>Critique - Studies in Contemporary Fiction</i> , 2012, 53, 103-114.	0.1	0
89	Enhancing Analytical Performance of (Mg,Fe) ₃ O ₄ /Glassy Carbon Electrodes by Tailoring Chemical Composition of (Mg,Fe) ₃ O ₄ Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 4205-4213.	0.9	0
90	Bioleaching of copper, zinc and gold from a polymetallic ore flotation concentrate from the Coka Marin deposit (Serbia). <i>Journal of the Serbian Chemical Society</i> , 2021, , 16-16.	0.4	0

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91	Recasting as a booster of Ag-Pd alloy cytotoxicity: Induction of cell senescence prior to mass cell death. Archives of Biological Sciences, 2019, 71, 347-356.	0.2	0
92	Antibacterial effects of new endodontic materials based on calcium silicates. Vojnosanitetski Pregled, 2019, 76, 365-372.	0.1	0
93	Multi-elemental analysis of real water samples from the PoÄ¼ega area, Serbia. Materials Protection, 2022, 63, 58-67.	0.1	0
94	A New Nitzschia Hassall Species (Bacillariaceae, Bacillariophyta) from Saline Ponds in Serbia. Cryptogamie, Algologie, 2022, 43, .	0.3	0