

Suzana Dimitrijevic-Brankovic

List of Publications by Year in descending order

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104
papers

4,366
citations

109321

35
h-index

110387

64
g-index

104
all docs

104
docs citations

104
times ranked

6995
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization and antimicrobial activity of copper and zinc-doped hydroxyapatite nanopowders. <i>Applied Surface Science</i> , 2010, 256, 6083-6089.	6.1	461
2	Effect of fermentation on antioxidant properties of some cereals and pseudo cereals. <i>Food Chemistry</i> , 2010, 119, 957-963.	8.2	331
3	Synthesis of antimicrobial monophase silver-doped hydroxyapatite nanopowders for bone tissue engineering. <i>Applied Surface Science</i> , 2011, 257, 4510-4518.	6.1	221
4	Influence of size scale and morphology on antibacterial properties of ZnO powders hydrothermally synthesized using different surface stabilizing agents. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 21-28.	5.0	178
5	Prospect of Polysaccharide-Based Materials as Advanced Food Packaging. <i>Molecules</i> , 2020, 25, 135.	3.8	167
6	Copper nanoparticles with high antimicrobial activity. <i>Materials Letters</i> , 2014, 128, 75-78.	2.6	154
7	Antibacterial effect of silver nanoparticles deposited on corona-treated polyester and polyamide fabrics. <i>Polymers for Advanced Technologies</i> , 2008, 19, 1816-1821.	3.2	151
8	Nanomaterial with High Antimicrobial Efficacy—Copper/Polyaniline Nanocomposite. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1955-1966.	8.0	140
9	Fabrication and antibacterial properties of ZnO–alginate nanocomposites. <i>Carbohydrate Polymers</i> , 2012, 88, 263-269.	10.2	119
10	Antimicrobial activity and biocompatibility of Ag ⁺ - and Cu ²⁺ -doped biphasic hydroxyapatite/β-tricalcium phosphate obtained from hydrothermally synthesized Ag ⁺ - and Cu ²⁺ -doped hydroxyapatite. <i>Applied Surface Science</i> , 2014, 307, 513-519.	6.1	119
11	Optimization of microwave-assisted extraction of natural antioxidants from spent espresso coffee grounds by response surface methodology. <i>Journal of Cleaner Production</i> , 2014, 80, 69-79.	9.3	95
12	Design of pectin-sodium alginate based films for potential healthcare application: Study of chemico-physical interactions between the components of films and assessment of their antimicrobial activity. <i>Carbohydrate Polymers</i> , 2017, 157, 981-990.	10.2	89
13	Antimicrobial activity of the essential oil and different fractions of <i>Juniperus communis</i> L. and a comparison with some commercial antibiotics. <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 311-320.	0.8	82
14	Antioxidant Activity and Total Phenolic Content in Some Cereals and Legumes. <i>International Journal of Food Properties</i> , 2011, 14, 175-184.	3.0	81
15	Synthesis of fluorine substituted hydroxyapatite nanopowders and application of the central composite design for determination of its antimicrobial effects. <i>Applied Surface Science</i> , 2014, 290, 346-352.	6.1	78
16	Survival of spray dried microencapsulated <i>Lactobacillus casei</i> ATCC 393 in simulated gastrointestinal conditions and fermented milk. <i>LWT - Food Science and Technology</i> , 2016, 71, 169-174.	5.2	78
17	Antioxidant properties of the anthocyanin-containing ultrasonic extract from blackberry cultivar 'Arenska Bestna'. <i>Industrial Crops and Products</i> , 2014, 53, 274-281.	5.2	71
18	A study of the synergistic antilisterial effects of a sub-lethal dose of lactic acid and essential oils from <i>Thymus vulgaris</i> L., <i>Rosmarinus officinalis</i> L. and <i>Origanum vulgare</i> L.. <i>Food Chemistry</i> , 2007, 104, 774-782.	8.2	70

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19	Bactericidal Efficiency of Silver Nanoparticles Deposited onto Radio Frequency Plasma Pretreated Polyester Fabrics. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 7287-7293.	3.7	70
20	Dextran coated silver nanoparticles – Chemical sensor for selective cysteine detection. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 184-191.	5.0	64
21	Mineralized agar-based nanocomposite films: Potential food packaging materials with antimicrobial properties. <i>Carbohydrate Polymers</i> , 2017, 175, 55-62.	10.2	59
22	Inhibition of myeloperoxidase and antioxidative activity of <i>Gentiana lutea</i> extracts. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 66, 191-196.	2.8	55
23	Optimisation of microwave-assisted extraction parameters for antioxidants from waste <i>Achillea millefolium</i> dust. <i>Industrial Crops and Products</i> , 2015, 77, 333-341.	5.2	55
24	Silver nanoparticles encapsulated in glycogen biopolymer: Morphology, optical and antimicrobial properties. <i>Carbohydrate Polymers</i> , 2011, 83, 883-890.	10.2	54
25	Evaluation and improvement of antioxidant and antibacterial activities of supercritical extracts from clove buds. <i>Journal of Functional Foods</i> , 2013, 5, 416-423.	3.4	53
26	Silver-Loaded Cotton/Polyester Fabric Modified by Dielectric Barrier Discharge Treatment. <i>Plasma Processes and Polymers</i> , 2009, 6, 58-67.	3.0	47
27	Biologically active fibers based on chitosan-coated lyocell fibers. <i>Carbohydrate Polymers</i> , 2009, 78, 240-246.	10.2	45
28	Heavy metals concentration in soils from parks and green areas in Belgrade. <i>Journal of the Serbian Chemical Society</i> , 2009, 74, 697-706.	0.8	43
29	ZnO-modified cellulose fiber sheets for antibody immobilization. <i>Carbohydrate Polymers</i> , 2014, 109, 139-147.	10.2	42
30	Synthesis and antimicrobial properties of Zn-mineralized alginate nanocomposites. <i>Carbohydrate Polymers</i> , 2017, 165, 313-321.	10.2	41
31	ZnO/Ag hybrid nanocubes in alginate biopolymer: Synthesis and properties. <i>Chemical Engineering Journal</i> , 2014, 253, 341-349.	12.7	40
32	Plant Extracts Rich in Polyphenols as Potent Modulators in the Growth of Probiotic and Pathogenic Intestinal Microorganisms. <i>Frontiers in Nutrition</i> , 2021, 8, 688843.	3.7	40
33	Protection of probiotic microorganisms by microencapsulation. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2007, 13, 169-174.	0.7	39
34	Impregnation of cotton fabric with silver nanoparticles synthesized by dextran isolated from bacterial species <i>Leuconostoc mesenteroides</i> T3. <i>Carbohydrate Polymers</i> , 2015, 131, 331-336.	10.2	38
35	Synthesis and characterization of poly(2-hydroxyethyl methacrylate/itaconic acid) copolymeric hydrogels. <i>Polymer Bulletin</i> , 2009, 63, 837-851.	3.3	37
36	Stability of the pyrethroid pesticide bifenthrin in milled wheat during thermal processing, yeast and lactic acid fermentation, and storage. <i>Journal of the Science of Food and Agriculture</i> , 2013, 93, 3377-3383.	3.5	35

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37	Tryptophan-functionalized gold nanoparticles for deep UV imaging of microbial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 742-750.	5.0	35
38	Microwave-assisted extraction for the recovery of antioxidants from waste <i>Equisetum arvense</i> . <i>Industrial Crops and Products</i> , 2014, 61, 388-397.	5.2	34
39	From Agricultural Waste to Biofuel: Enzymatic Potential of a Bacterial Isolate <i>Streptomyces fulvissimus</i> CKS7 for Bioethanol Production. <i>Waste and Biomass Valorization</i> , 2021, 12, 165-174.	3.4	34
40	Dissipation of pirimiphos-methyl during wheat fermentation by <i>Lactobacillus plantarum</i> . <i>Letters in Applied Microbiology</i> , 2013, 57, 412-419.	2.2	32
41	Viscoelastic properties and antimicrobial activity of cellulose fiber sheets impregnated with Ag nanoparticles. <i>Carbohydrate Polymers</i> , 2012, 90, 1139-1146.	10.2	31
42	A treatment of wastewater containing basic dyes by the use of new strain <i>Streptomyces microflavus</i> CKS6. <i>Journal of Cleaner Production</i> , 2017, 148, 347-354.	9.3	29
43	Inhibition of Microbial Growth by Silver-Starch Nanocomposite Thin Films. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 2343-2355.	3.5	28
44	Water Kefir grain as a source of potent dextran producing lactic acid bacteria. <i>Hemijaska Industrija</i> , 2015, 69, 595-604.	0.7	26
45	Biocompatibility and antimicrobial activity of zinc(II) doped hydroxyapatite, synthesized by hydrothermal method. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 1787-1798.	0.8	23
46	Improved α -amylase production on molasses and sugar beet pulp by a novel strain <i>Paenibacillus chitinolyticus</i> CKS1. <i>Industrial Crops and Products</i> , 2016, 80, 115-122.	5.2	23
47	Valorization of damaged rice grains: Optimization of bioethanol production by waste brewer's yeast using an amylolytic potential from the <i>Paenibacillus chitinolyticus</i> CKS1. <i>Fuel</i> , 2018, 224, 591-599.	6.4	23
48	Effect of fermentation conditions on lipase production by <i>Candida utilis</i> . <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 757-765.	0.8	21
49	Surface characteristics and antibacterial activity of a silver-doped carbon monolith. <i>Science and Technology of Advanced Materials</i> , 2008, 9, 015006.	6.1	21
50	The study of antibacterial activity and stability of dyed cotton fabrics modified with different forms of silver. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 225-234.	0.8	20
51	Lignocellulosic waste material as substrate for Avicelase production by a new strain of <i>Paenibacillus chitinolyticus</i> CKS1. <i>International Biodeterioration and Biodegradation</i> , 2015, 104, 426-434.	3.9	20
52	Utilization of spent coffee grounds for isolation and stabilization of <i>Paenibacillus chitinolyticus</i> CKS1 cellulase by immobilization. <i>Heliyon</i> , 2016, 2, e00146.	3.2	20
53	Formation of nano-plate silver particles in the presence of polyampholyte copolymer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 414, 17-25.	4.7	19
54	Antimicrobial P(HEMA/IA)/PVP semi-interpenetrating network hydrogels. <i>Polymer Bulletin</i> , 2013, 70, 809-819.	3.3	19

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55	Negative influence of Ag and TiO ₂ nanoparticles on biodegradation of cotton fabrics. <i>Cellulose</i> , 2015, 22, 1365-1378.	4.9	18
56	Biocontrol and plant stimulating potential of novel strain <i>Bacillus</i> sp. PPM3 isolated from marine sediment. <i>Microbial Pathogenesis</i> , 2018, 120, 71-78.	2.9	18
57	Synthesis, characterization, and antimicrobial activity of silver nanoparticles on poly(GMA-co) Tj ETQq1 1 0.784314 rgBT /Overlock	4.6	17
58	Bimetallic alginate nanocomposites: New antimicrobial biomaterials for biomedical application. <i>Materials Letters</i> , 2018, 212, 32-36.	2.6	17
59	Nutrient profile of black coffee consumed in Serbia: Filling a gap in the food composition database. <i>Journal of Food Composition and Analysis</i> , 2015, 40, 61-69.	3.9	16
60	Antimicrobial textile prepared by silver deposition on dielectric barrier discharge treated cotton/polyester fabric. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2008, 14, 219-221.	0.7	16
61	The antimicrobial efficiency of silver activated sorbents. <i>Applied Surface Science</i> , 2015, 357, 819-831.	6.1	15
62	Lipase catalyzed synthesis of flavor esters in non-aqueous media: Optimization of the yield of pentyl 2-methylpropanoate by statistical analysis. <i>Journal of the Serbian Chemical Society</i> , 2008, 73, 1139-1151.	0.8	14
63	A fluorescent nanoprobe for single bacterium tracking: functionalization of silver nanoparticles with tryptophan to probe the nanoparticle accumulation with single cell resolution. <i>Analyst</i> , The, 2016, 141, 1988-1996.	3.5	14
64	Enzymatic hydrolysis of waste bread by newly isolated <i>Hymenobacter</i> sp. CKS3: Statistical optimization and bioethanol production. <i>Renewable Energy</i> , 2020, 152, 627-633.	8.9	13
65	Biological treatment of colored wastewater by <i>Streptomyces fulvissimus</i> CKS 7. <i>Water Science and Technology</i> , 2016, 73, 2231-2236.	2.5	11
66	Interaction of amino acid-functionalized silver nanoparticles and <i>Candida albicans</i> polymorphs: A deep-UV fluorescence imaging study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 155, 341-348.	5.0	11
67	Preparation, characterization and antimicrobial activity of chitosan microparticles with thyme essential oil. <i>Hemijaska Industrija</i> , 2014, 68, 721-729.	0.7	11
68	Plant waste materials from restaurants as the adsorbents for dyes. <i>Hemijaska Industrija</i> , 2015, 69, 667-677.	0.7	10
69	Valorization of corn stover and molasses for enzyme synthesis, lignocellulosic hydrolysis and bioethanol production by <i>Hymenobacter</i> sp. CKS3. <i>Environmental Technology and Innovation</i> , 2021, 23, 101627.	6.1	9
70	Carboxymethyl cellulase production from a <i>Paenibacillus</i> sp.. <i>Hemijaska Industrija</i> , 2016, 70, 329-338.	0.7	9
71	Chitosan-triclosan films for potential use as bio-antimicrobial bags in healthcare sector. <i>Materials Letters</i> , 2017, 186, 368-371.	2.6	8
72	Customizing the spent coffee for <i>Trichoderma reesei</i> cellulase immobilization by modification with activating agents. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1856-1863.	7.5	8

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73	The antioxidant properties of dried extracts from the spent espresso coffee. <i>Hemijska Industrija</i> , 2013, 67, 261-267.	0.7	8
74	The influence of a cryoprotective medium containing glycerol on the lyophilization of lactic acid bacteria. <i>Journal of the Serbian Chemical Society</i> , 2001, 66, 435-441.	0.8	8
75	Dextran-Based Edible Coatings to Prolong the Shelf Life of Blueberries. <i>Polymers</i> , 2021, 13, 4252.	4.5	8
76	Removal of a Cationic Dye from Aqueous Solution by Microwave Activated Clinoptiloliteâ€”Response Surface Methodology Approach. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	7
77	Sugar Beet Pulp as <i>Leuconostoc mesenteroides</i> T3 Support for Enhanced Dextranucrase Production on Molasses. <i>Applied Biochemistry and Biotechnology</i> , 2016, 180, 1016-1027.	2.9	7
78	Tailoring the physico-chemical and antimicrobial properties of agar-based films by in situ formation of Cu-mineral phase. <i>European Polymer Journal</i> , 2019, 119, 352-358.	5.4	7
79	Enhanced fertilization effect of a compost obtained from mixed herbs waste inoculated with novel strains of mesophilic bacteria. <i>Hemijska Industrija</i> , 2017, 71, 503-513.	0.7	7
80	The production of cellulase from the waste tobacco residues remaining after polyphenols and nicotine extraction and bacterial pre-treatment. <i>Journal of the Serbian Chemical Society</i> , 2019, 84, 129-140.	0.8	7
81	Antimicrobial hydrogels based on 2-hydroxyethyl methacrylate and itaconic acid containing silver(I) ion. <i>Tehnika</i> , 2014, 69, 563-568.	0.2	7
82	Silver film on nanocrystalline TiO ₂ support: Photocatalytic and antimicrobial ability. <i>Materials Research Bulletin</i> , 2014, 60, 824-829.	5.2	6
83	Comparative analysis of the potential probiotic abilities of lactobacilli of human origin and from fermented vegetables. <i>Archives of Biological Sciences</i> , 2012, 64, 1473-1480.	0.5	6
84	Characterization of dextranucrase from <i>Leuconostoc mesenteroides</i> T3, water kefir grains isolate. <i>Hemijska Industrija</i> , 2017, 71, 351-360.	0.7	5
85	Influence of different concentrations of Zn-carbonate phase on physical-chemical properties of antimicrobial agar composite films. <i>Materials Letters</i> , 2019, 255, 126572.	2.6	4
86	Valorization of unexploited artichoke leaves dust for obtaining of extracts rich in natural antioxidants. <i>Separation and Purification Technology</i> , 2021, 256, 117714.	7.9	4
87	Statistical optimization of bioethanol production from waste bread hydrolysate. <i>Journal of the Serbian Chemical Society</i> , 2021, 86, 651-662.	0.8	4
88	The significance and possibility of functional food production. <i>Hemijska Industrija</i> , 2002, 56, 113-122.	0.7	4
89	The effect of bacterial isolates from rhizosphere soils on wheat and barley seed germination. <i>Zemljiste I Biljka</i> , 2019, 68, 1-11.	0.3	4
90	Valorization of lignocellulosic wastes for extracellular enzyme production by novel Basidiomycetes: screening, hydrolysis, and bioethanol production. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	4

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91	Î ² -Amylase production from packaging-industry wastewater using a novel strain <i>Paenibacillus chitinolyticus</i> CKS 1. <i>RSC Advances</i> , 2015, 5, 90895-90903.	3.6	3
92	Effective valorization of barley bran for simultaneous cellulase and Î ² -amylase production by <i>Paenibacillus chitinolyticus</i> CKS1: Statistical optimization and enzymes application. <i>Journal of the Serbian Chemical Society</i> , 2017, 82, 1223-1236.	0.8	3
93	Recovery of bioactive molecules from <i>Hypericum perforatum</i> L. dust using microwave-assisted extraction. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 7111-7123.	4.6	3
94	Drying of biological materials in a spout-fluid bed with a draft tube. <i>Hemijska Industrija</i> , 2002, 56, 141-146.	0.7	2
95	Deep UV fluorescence imaging study of <i>Candida albicans</i> cells treated with gold-riboflavin hydrocolloids. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	3.3	2
96	Traditional and Emerging Technologies for Autochthonous Lactic Acid Bacteria Application. <i>Food Engineering Series</i> , 2016, , 237-256.	0.7	2
97	Antimicrobial activity of hybrid hydrogels based on poly(vinylpyrrolidone) containing silver. <i>Hemijska Industrija</i> , 2010, 64, 209-214.	0.7	2
98	Comparative study on biochemical activity of the intestinal isolates <i>Lactobacillus</i> sp. V3 and <i>Bifidobacterium</i> sp. A71 in different substrates. <i>Journal of the Serbian Chemical Society</i> , 2001, 66, 581-589.	0.8	2
99	Efficiencies of different methods for determination of organophosphate pesticide residues in fermented wheat substrate. <i>Pesticidi I Fitomedicina = Pesticides and Phytomedicine</i> , 2013, 28, 133-140.	0.2	2
100	Biocontrol of economically significant diseases in order to increase the yield of pot marigold and valerian seeds and potato tubers. <i>Selekcija I Semearstvo</i> , 2020, 26, 38-51.	0.4	2
101	Antioxidant activity in different morphological fractions of some cereal grains. <i>Hrana I Ishrana</i> , 2017, 58, 17-23.	0.2	1
102	Utilization of agro-industrial by-products as substrates for dextransucrase production by <i>Leuconostoc mesenteroides</i> T3: Process optimization using response surface methodology. <i>Hemijska Industrija</i> , 2021, 75, 135-146.	0.7	0
103	Bioprotective agents in safety control. <i>Hemijska Industrija</i> , 2003, 57, 479-485.	0.7	0
104	Comparative analysis of the chemical composition and antimicrobial activities of some of Lamiaceae family species and <i>Eucalyptus</i> (<i>Eucalyptus globules</i> M). <i>Acta Periodica Technologica</i> , 2014, , 201-213.	0.2	0