

Vesna Ilic

List of Publications by Year in descending order

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43
papers

1,450
citations

393982

19
h-index

329751

37
g-index

44
all docs

44
docs citations

44
times ranked

1953
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficiency of recycled wool-based nonwoven material for the removal of oils from water. <i>Chemosphere</i> , 2008, 70, 525-530.	4.2	158
2	Copper nanoparticles with high antimicrobial activity. <i>Materials Letters</i> , 2014, 128, 75-78.	1.3	154
3	Antibacterial effect of silver nanoparticles deposited on corona-treated polyester and polyamide fabrics. <i>Polymers for Advanced Technologies</i> , 2008, 19, 1816-1821.	1.6	151
4	The influence of silver content on antimicrobial activity and color of cotton fabrics functionalized with Ag nanoparticles. <i>Carbohydrate Polymers</i> , 2009, 78, 564-569.	5.1	146
5	Antifungal efficiency of corona pretreated polyester and polyamide fabrics loaded with Ag nanoparticles. <i>Journal of Materials Science</i> , 2009, 44, 3983-3990.	1.7	85
6	Bactericidal Efficiency of Silver Nanoparticles Deposited onto Radio Frequency Plasma Pretreated Polyester Fabrics. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 7287-7293.	1.8	70
7	Dextran coated silver nanoparticles – Chemical sensor for selective cysteine detection. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 184-191.	2.5	64
8	Production of bioethanol from pre-treated cotton fabrics and waste cotton materials. <i>Carbohydrate Polymers</i> , 2017, 164, 136-144.	5.1	48
9	Dextran-coated silver nanoparticles for improved barrier and controlled antimicrobial properties of nanocellulose films used in food packaging. <i>Food Packaging and Shelf Life</i> , 2020, 26, 100575.	3.3	44
10	Characterization and quantitative analysis of surfactants in textile wastewater by liquid chromatography/quadrupole-time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1445-1454.	0.7	41
11	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.	5.1	38
12	In situ photoreduction of Ag ⁺ -ions by TiO ₂ nanoparticles deposited on cotton and cotton/PET fabrics. <i>Cellulose</i> , 2014, 21, 3781-3795.	2.4	31
13	Surface-modified TiO ₂ nanoparticles with ascorbic acid: Antioxidant properties and efficiency against DNA damage in vitro. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 155, 323-331.	2.5	30
14	Acute toxicity study in mice of orally administrated TiO ₂ nanoparticles functionalized with caffeic acid. <i>Food and Chemical Toxicology</i> , 2018, 115, 42-48.	1.8	28
15	Antibacterial ability of supported silver nanoparticles by functionalized hydroxyapatite with 5-aminosalicylic acid. <i>Vacuum</i> , 2018, 148, 62-68.	1.6	27
16	The influence of triangular silver nanoplates on antimicrobial activity and color of cotton fabrics pretreated with chitosan. <i>Journal of Materials Science</i> , 2014, 49, 4453-4460.	1.7	26
17	Antibacterial ability of immobilized silver nanoparticles in agar-agar films co-doped with magnesium ions. <i>Carbohydrate Polymers</i> , 2019, 224, 115187.	5.1	26
18	Drug Delivery Systems for Diabetes Treatment. <i>Current Pharmaceutical Design</i> , 2019, 25, 166-173.	0.9	21

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19	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.	0.4	20
20	Visible-light-responsive surface-modified TiO ₂ powder with 4-chlorophenol: A combined experimental and DFT study. <i>Optical Materials</i> , 2019, 89, 237-242.	1.7	20
21	The study of coloration and antibacterial efficiency of corona activated dyed polyamide and polyester fabrics loaded with Ag nanoparticles. <i>Fibers and Polymers</i> , 2009, 10, 650-656.	1.1	19
22	Negative influence of Ag and TiO ₂ nanoparticles on biodegradation of cotton fabrics. <i>Cellulose</i> , 2015, 22, 1365-1378.	2.4	18
23	Immobilization of dextransucrase on functionalized TiO ₂ supports. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 1216-1223.	3.6	18
24	Interfacial Charge Transfer Transitions in Colloidal TiO ₂ Nanoparticles Functionalized with Salicylic acid and 5-Aminosalicylic acid: A Comparative Photoelectron Spectroscopy and DFT Study. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29057-29066.	1.5	17
25	Functionalized biogenic hydroxyapatite with 5-aminosalicylic acid – Sorbent for efficient separation of Pb ²⁺ and Cu ²⁺ ions. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3759-3765.	3.3	14
26	Selective Antimicrobial Performance of Biosynthesized Silver Nanoparticles by Horsetail Extract Against <i>E. coli</i> . <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 2598-2607.	1.9	12
27	Antibacterial and UV protective properties of polyamide fabric impregnated with TiO ₂ /Ag nanoparticles. <i>Journal of the Serbian Chemical Society</i> , 2015, 80, 705-715.	0.4	11
28	Tuning Properties of Cerium Dioxide Nanoparticles by Surface Modification with Catecholate-type of Ligands. <i>Langmuir</i> , 2020, 36, 9738-9746.	1.6	11
29	Exploring electroactive microenvironments in polymer-based nanocomposites to sensitize bacterial cells to low-dose embedded silver nanoparticles. <i>Acta Biomaterialia</i> , 2022, 139, 237-248.	4.1	11
30	Antimicrobial activity of silver nanoparticles supported by magnetite. <i>ChemistrySelect</i> , 2019, 4, 4018-4024.	0.7	10
31	Influence of glucose, sucrose, and dextran coatings on the stability and toxicity of silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2022, 194, 461-469.	3.6	10
32	Removal of metal cations from wastewater using recycled wool-based non-woven material. <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 605-614.	0.4	9
33	Recycled wool-based nonwoven material for decolorisation of dyehouse effluents. <i>International Journal of Clothing Science and Technology</i> , 2009, 21, 109-116.	0.5	9
34	A study of the antibacterial efficiency and coloration of dyed polyamide and polyester fabrics modified with colloidal Ag nanoparticles. <i>Journal of the Serbian Chemical Society</i> , 2009, 74, 349-357.	0.4	8
35	Sorption of divalent heavy metal ions onto functionalized biogenic hydroxyapatite with caffeic acid and 3,4-dihydroxybenzoic acid. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 899-905.	0.9	8
36	Surface-modified ZrO ₂ nanoparticles with caffeic acid: Characterization and in vitro evaluation of biosafety for placental cells. <i>Chemico-Biological Interactions</i> , 2021, 347, 109618.	1.7	7

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37	The Study of Control Parameters for Some Divalent Metal Cations Sorption by Recycled Wool-based Nonwoven Material. Trends in Applied Sciences Research, 2006, 1, 564-574.	0.4	6
38	Interfacial charge transfer complex between TiO ₂ and non-aromatic ligand squaric acid. Optical Materials, 2022, 123, 111918.	1.7	6
39	Organic-Inorganic Hybrid Nanomaterials: Synthesis, Characterization, and Application. , 2019, , 419-449.		5
40	Electronic structure of surface complexes between CeO ₂ and benzene derivatives: A comparative experimental and DFT study. Materials Chemistry and Physics, 2019, 236, 121816.	2.0	4
41	Effective valorization of barley bran for simultaneous cellulase and α -amylase production by Paenibacillus chitinolyticus CKS1: Statistical optimization and enzymes application. Journal of the Serbian Chemical Society, 2017, 82, 1223-1236.	0.4	3
42	Efficiency of the interfacial charge transfer complex between TiO ₂ nanoparticles and caffeic acid against DNA damage in vitro: A combinatorial analysis. Journal of the Serbian Chemical Society, 2019, 84, 539-553.	0.4	2
43	Interfacial charge transfer complex formation between silver nanoparticles and aromatic amino acids. Physical Chemistry Chemical Physics, 2022, 24, 16493-16500.	1.3	1