

Vesna V Vodnik

List of Publications by Year in descending order

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55
papers

1,832
citations

279487

23
h-index

264894

42
g-index

55
all docs

55
docs citations

55
times ranked

2605
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial and biological effects of polyaniline/polyvinylpyrrolidone nanocomposites loaded with silver nanospheres/triangles. <i>New Journal of Chemistry</i> , 2021, 45, 12711-12720.	1.4	3
2	Development of genistein-loaded gold nanoparticles and their antitumor potential against prostate cancer cell lines. <i>Materials Science and Engineering C</i> , 2021, 124, 112078.	3.8	31
3	Tailoring gold-conducting polymer nanocomposites for sensors applications: Proof of concept for As(III) sensing in aqueous media. <i>Synthetic Metals</i> , 2021, 278, 116834.	2.1	8
4	Developing an advanced electrocatalyst derived from triangular silver nanoplates@polyvinylpyrrolidone-polyaniline nanocomposites. <i>Synthetic Metals</i> , 2019, 257, 116173.	2.1	6
5	Gold nanorod-polyaniline composites: Synthesis and evaluation as anode electrocatalysts for direct borohydride fuel cells. <i>Electrochimica Acta</i> , 2019, 328, 135115.	2.6	20
6	Metal nanoparticles and their composites: a promising multifunctional nanomaterial for biomedical and related applications. , 2019, , 397-426.		2
7	Nanospectroscopy of thiocyanine dye molecules adsorbed on silver nanoparticle clusters. <i>Applied Surface Science</i> , 2018, 434, 540-548.	3.1	2
8	One-pot synthesis of novel silver-polyaniline-polyvinylpyrrolidone electrocatalysts for efficient oxygen reduction reaction. <i>Electrochimica Acta</i> , 2018, 281, 549-561.	2.6	17
9	Copper-polyaniline nanocomposite: Role of physicochemical properties on the antimicrobial activity and genotoxicity evaluation. <i>Materials Science and Engineering C</i> , 2018, 93, 49-60.	3.8	23
10	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.	2.5	11
11	Adsorption of Organophosphate Pesticide Dimethoate on Gold Nanospheres and Nanorods. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-11.	1.5	43
12	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.	1.5	2
13	Mechanism of 3,3'-Disulfopropyl-5,5'-Dichlorothiocyamine Anion Interaction With Citrate-Capped Silver Nanoparticles: Adsorption and J-Aggregation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18066-18074.	1.5	15
14	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.	1.7	14
15	Interfacial Synthesis of Gold-Polyaniline Nanocomposite and Its Electrocatalytic Application. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 28393-28403.	4.0	122
16	Spectrophotometric observations of thiocyanine dye J-aggregation on citrate capped silver nanoparticles. <i>Nanospectroscopy</i> , 2015, 1, .	0.7	13
17	Nanomaterial with High Antimicrobial Efficacy-Copper/Polyaniline Nanocomposite. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1955-1966.	4.0	140
18	Negative influence of Ag and TiO ₂ nanoparticles on biodegradation of cotton fabrics. <i>Cellulose</i> , 2015, 22, 1365-1378.	2.4	18

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19	Tryptophan-functionalized gold nanoparticles for deep UV imaging of microbial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 742-750.	2.5	35
20	Sonophotocatalytic degradation of dye C.I. Acid Orange 7 by TiO ₂ and Ag nanoparticles immobilized on corona pretreated polypropylene non-woven fabric. <i>Ultrasonics Sonochemistry</i> , 2015, 24, 221-229.	3.8	43
21	Copper nanoparticles with high antimicrobial activity. <i>Materials Letters</i> , 2014, 128, 75-78.	1.3	154
22	Interfacial synthesis and characterization of gold/polyaniline nanocomposites. <i>Synthetic Metals</i> , 2014, 195, 122-131.	2.1	45
23	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
24	Synthesis, characterization, and antimicrobial activity of poly(GMA-co-EGDMA) polymer decorated with silver nanoparticles. <i>Journal of Materials Science</i> , 2014, 49, 6838-6844.	1.7	28
25	Mechanism and Kinetics of J-Aggregation of Thiocyanine Dye in the Presence of Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23393-23401.	1.5	26
26	Characterization of silver/polystyrene nanocomposites prepared by in situ bulk radical polymerization. <i>Materials Research Bulletin</i> , 2014, 49, 434-439.	2.7	20
27	Adsorption and fluorescence quenching of 5,5'-disulfopropyl-3,3'-dichlorothiocyanine dye on gold nanoparticles. <i>New Journal of Chemistry</i> , 2013, 37, 743.	1.4	16
28	Anisotropic silver nanoparticles as filler for the formation of hybrid nanocomposites. <i>Materials Research Bulletin</i> , 2013, 48, 52-57.	2.7	26
29	Fluorescence Quenching of 5,5'-Disulfopropyl-3,3'-dichlorothiocyanine Dye Adsorbed on Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6567-6577.	1.5	38
30	Structure-Property Correlation Study of Novel Poly(urethane-ester-siloxane) Networks. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 6164-6176.	1.8	18
31	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
32	Optical, structural and thermal characterization of gold nanoparticles - poly(vinylalcohol) composite films. <i>Journal of Composite Materials</i> , 2012, 46, 987-995.	1.2	18
33	Analysis of dynamic mechanical, thermal and surface properties of poly(urethane-ester-siloxane) networks based on hyperbranched polyester. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 3161-3169.	1.5	24
34	Silver/polystyrene nanocomposites: Optical and thermal properties. <i>Polymer Composites</i> , 2012, 33, 782-788.	2.3	26
35	Surface plasmon resonance of Ag organosols: Experimental and theoretical investigations. <i>Hemjska Industrija</i> , 2012, 66, 805-812.	0.3	1
36	Investigation of the morphology and surface properties of crosslinked poly(urethane-ester-siloxane)s. <i>Hemjska Industrija</i> , 2012, 66, 813-821.	0.3	1

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37	Synthesis and swelling behavior of polyurethane networks based on hyperbranched polymer. <i>Hemijska Industrija</i> , 2011, 65, 637-644.	0.3	15
38	Glass transition and polymer dynamics in silver/poly(methyl methacrylate) nanocomposites. <i>European Polymer Journal</i> , 2011, 47, 1514-1525.	2.6	39
39	Multifunctional PES fabrics modified with colloidal Ag and TiO ₂ nanoparticles. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2244-2249.	1.6	22
40	Thermal and optical properties of silver/poly(methylmethacrylate) nanocomposites prepared by in-situ radical polymerization. <i>European Polymer Journal</i> , 2010, 46, 137-144.	2.6	55
41	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
42	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
43	Thermal properties of PS/TiO ₂ nanocomposites obtained by in situ bulk radical polymerization of styrene. <i>Materials Letters</i> , 2009, 63, 908-910.	1.3	16
44	Melt rheology of aliphatic hyperbranched polyesters. <i>Journal of Applied Polymer Science</i> , 2009, 112, 2925-2934.	1.3	17
45	Synthesis and characterization of silver/poly(methylmethacrylate) nanocomposites. <i>Colloid and Polymer Science</i> , 2009, 287, 847-851.	1.0	52
46	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
47	Thermal stability of acrylonitrile/chlorosulphonated polyethylene rubber blend. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 97, 999-1006.	2.0	15
48	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
49	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
50	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
51	Optical Properties of Shaped Silver Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 3511-3515.	0.9	28
52	Crosslinked polyurethanes based on hyperbranched polymers. <i>Hemijska Industrija</i> , 2008, 62, 353-359.	0.3	8
53	Optical and electron paramagnetic resonance spectroscopy of Cd _{1-x} Mn _x S quantum dots. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 4625-4633.	0.7	14
54	Influence of negative charge on the optical properties of a silver sol. <i>Journal of the Serbian Chemical Society</i> , 2000, 65, 195-200.	0.4	8

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55	Kinetics of the reaction of s-carboxymethyl-L-cysteine with palladium(II) chloride. Journal of Pharmaceutical and Biomedical Analysis, 1995, 13, 471-475.	1.4	9