

Zorica KaÄareviÄ PopoviÄ

List of Publications by Year in descending order

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56
papers

1,269
citations

279487

23
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360668

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56
docs citations

56
times ranked

1408
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of antibacterial activity of Ag-poly(vinyl-alcohol)/chitosan hydrogel by optimizing the procedure of radiolytic synthesis. Radiation Physics and Chemistry, 2022, 194, 110045.	1.4	1
2	Nanocomposite Hydrogels Obtained by Gamma Irradiation. Polymers and Polymeric Composites, 2019, , 601-623.	0.6	2
3	Flexible and high-efficiency Sb ₂ S ₃ /solid carrier solar cell at low light intensity. Environmental Chemistry Letters, 2018, 16, 659-664.	8.3	11
4	Efficient and novel Sb ₂ S ₃ based solar cells with chitosan/poly(ethylene Tj ETQq0 0 0 rgBT, /Overlock 10 Tf 50	2.2	12
5	Nanocomposite Hydrogels Obtained by Gamma Irradiation. Polymers and Polymeric Composites, 2018, , 1-23.	0.6	1
6	Structural characteristics and bonding environment of Ag nanoparticles synthesized by gamma irradiation within thermo-responsive poly(N-isopropylacrylamide) hydrogel. Polymer Composites, 2017, 38, 1014-1026.	2.3	11
7	The role of low light intensity: A cheap, stable, and solidly efficient amorphous Sb ₂ S ₃ powder/hypericin composite/PVA matrix loaded with electrolyte solar cell. Environmental Progress and Sustainable Energy, 2017, 36, 1507-1516.	1.3	10
8	Electroanalytical Sensing of Bromides Using Radiolytically Synthesized Silver Nanoparticle Electrocatalysts. Journal of Analytical Methods in Chemistry, 2017, 2017, 1-9.	0.7	3
9	Radiolytically synthesized nano Ag/C catalysts for oxygen reduction and borohydride oxidation reactions in alkaline media, for potential applications in fuel cells. Energy, 2016, 101, 79-90.	4.5	50
10	Dual responsive antibacterial Ag-poly(N-isopropylacrylamide/itaconic acid) hydrogel nanocomposites synthesized by gamma irradiation. European Polymer Journal, 2015, 69, 168-185.	2.6	41
11	Improved Poly(vinyl alcohol) (PVA) based matrix as a potential solid electrolyte for electrochemical energy conversion devices, obtained by gamma irradiation. Energy, 2015, 90, 595-604.	4.5	21
12	<i>In vitro</i> silver ion release kinetics from nanosilver/poly(vinyl alcohol) hydrogels synthesized by gamma irradiation. Journal of Applied Polymer Science, 2014, 131, .	1.3	27
13	Silver/poly(N-vinyl-2-pyrrolidone) hydrogel nanocomposites obtained by electrochemical synthesis of silver nanoparticles inside the polymer hydrogel aimed for biomedical applications. Polymer Composites, 2014, 35, 217-226.	2.3	15
14	Optical and structural properties of radiolytically in situ synthesized silver nanoparticles stabilized by chitosan/poly(vinyl alcohol) blends. Radiation Physics and Chemistry, 2014, 96, 158-166.	1.4	40
15	Physico-chemical characteristics of gamma irradiation crosslinked poly(vinyl alcohol)/magnetite ferrogel composite. Hemijska Industrija, 2014, 68, 743-753.	0.3	9
16	Radiolytic synthesis and characterization of PVA and chitosan based conductive polymer membranes for alkaline fuel cells. Tehnika, 2014, 69, 190-195.	0.0	0
17	Bioreactor validation and biocompatibility of Ag/poly(N-vinyl-2-pyrrolidone) hydrogel nanocomposites. Colloids and Surfaces B: Biointerfaces, 2013, 105, 230-235.	2.5	26
18	MALDI TOF and theoretical investigation of silver clusters obtained by gamma irradiation. Vacuum, 2013, 89, 47-52.	1.6	7

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19	Structural and optical characteristics of silver/poly(N-vinyl-2-pyrrolidone) nanosystems synthesized by I^{137} -irradiation. <i>Radiation Physics and Chemistry</i> , 2012, 81, 1720-1728.	1.4	42
20	Characterization of poly(vinyl alcohol)/gold nanocomposites obtained by <i>in situ</i> gamma-irradiation method. <i>Journal of Applied Polymer Science</i> , 2012, 125, 1244-1251.	1.3	20
21	Silver/poly(N-vinyl-2-pyrrolidone) nanocomposites obtained by the electrochemical synthesis. <i>Hemijaska Industrija</i> , 2011, 65, 687-696.	0.3	1
22	Synthesis and characterization of silver/poly(N-vinyl-2-pyrrolidone) hydrogel nanocomposite obtained by <i>in situ</i> radiolytic method. <i>Radiation Physics and Chemistry</i> , 2011, 80, 1208-1215.	1.4	61
23	Functionalization of carbon nanotubes with silver clusters. <i>Applied Surface Science</i> , 2010, 256, 7048-7055.	3.1	29
24	Structural destabilisation of MgH ₂ obtained by heavy ion irradiation. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 7275-7282.	3.8	32
25	Characterization of Gamma Irradiated Ethylene-Norbornene Copolymer using FTIR, UV-Vis and DSC Techniques. <i>Polymer Bulletin</i> , 2008, 60, 313-322.	1.7	14
26	Changes of hydrogen storage properties of MgH ₂ induced by heavy ion irradiation. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 1876-1879.	3.8	36
27	Electrochemical synthesis and characterization of hydroxyapatite powders. <i>Materials Chemistry and Physics</i> , 2008, 111, 137-142.	2.0	31
28	Corrosion stability of epoxy coatings on aluminum pretreated by vinyltriethoxysilane. <i>Corrosion Science</i> , 2008, 50, 2078-2084.	3.0	36
29	Radiolytic synthesis and characterization of PVA/Au nanocomposites: The influence of pH values. <i>Hemijaska Industrija</i> , 2008, 62, 101-106.	0.3	2
30	Dynamic thermogravimetric degradation of gamma radiolytically synthesized Ag-PVA nanocomposites. <i>Thermochimica Acta</i> , 2007, 460, 28-34.	1.2	29
31	On the use of gamma irradiation crosslinked PVA membranes in hydrogen fuel cells. <i>Electrochemistry Communications</i> , 2007, 9, 2661-2665.	2.3	36
32	Radiolytic synthesis and characterization of Ag-PVA nanocomposites. <i>European Polymer Journal</i> , 2007, 43, 2171-2176.	2.6	83
33	Fabrication of Ag-PVA hydrogel nanocomposite by I^{137} -irradiation. <i>Polymer Bulletin</i> , 2007, 58, 271-279.	1.7	64
34	Thermal properties of radiolytically synthesized PVA/Ag nanocomposites. <i>Hemijaska Industrija</i> , 2007, 61, 129-134.	0.3	1
35	Determining the degree of fire retardancy of plywood with thermogravimetry, part I: Beech plywood. <i>Glasnik Āumarskog Fakulteta: Univerzitet U Beogradu</i> , 2007, , 57-71.	0.0	1
36	Corrosion behavior and thermal stability of electrodeposited PANI/epoxy coating system on mild steel in sodium chloride solution. <i>Progress in Organic Coatings</i> , 2006, 56, 214-219.	1.9	55

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37	Modification of ethylene-norbornene copolymer by Gamma irradiation. <i>Hemijska Industrija</i> , 2006, 60, 311-315.	0.3	4
38	Surface modification of ethylene-norbornene copolymer by irradiation with N ⁴⁺ ion beams. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 236, 594-598.	0.6	6
39	The study of corrosion stability of organic epoxy protective coatings on aluminium and modified aluminium surfaces. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 98-102.	0.6	7
40	Determination of the protective properties of electrodeposited organic epoxy coatings on aluminium and modified aluminium surfaces. <i>Corrosion Science</i> , 2005, 47, 823-834.	3.0	18
41	The influence of fire retardants on the properties of beech and poplar veneers and plywood. <i>Glasnik Āumarskog Fakulteta: Univerzitet U Beogradu</i> , 2005, , 111-124.	0.0	3
42	Corrosion behavior of duplex polyaniline/epoxy coating on mild steel in 3% NaCl. <i>Hemijska Industrija</i> , 2005, 59, 317-320.	0.3	0
43	Role of Excess Electrons in TiO ₂ Nanoparticles Coated with Pt in Reduction Reactions Studied in Radiolysis of Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2004, 108, 20291-20295.	1.2	24
44	Influence of the irradiation conditions on the effect of radiation on polyethylene. <i>Journal of the Serbian Chemical Society</i> , 2004, 69, 1029-1041.	0.4	20
45	Protective properties of epoxy coatings electrodeposited on steel electrochemically modified by Zn-Fe alloys. <i>Hemijska Industrija</i> , 2004, 58, 450-456.	0.3	0
46	The influence of steel surface modification by electrodeposited Zn-Fe alloys on the protective behaviour of an epoxy coating. <i>Progress in Organic Coatings</i> , 2003, 47, 49-54.	1.9	38
47	The change of crystal symmetry and cation ordering in Li-Mg ferrites. <i>Journal of Alloys and Compounds</i> , 2002, 336, 286-291.	2.8	14
48	Epoxy coatings electrodeposited on aluminium and modified aluminium surfaces. <i>Hemijska Industrija</i> , 2002, 56, 468-472.	0.3	0
49	Effect of ageing on the dielectric relaxation of oriented and gamma irradiated LDPE. <i>Polymer Degradation and Stability</i> , 2001, 71, 367-373.	2.7	38
50	Electrochemical properties and thermal stability of epoxy coatings electrodeposited on aluminium and modified aluminium surfaces. <i>Journal of the Serbian Chemical Society</i> , 2001, 66, 871-880.	0.4	1
51	Corrosion behaviour of epoxy coatings electrodeposited on galvanized steel and steel modified by Zn-Ni alloys. <i>Progress in Organic Coatings</i> , 2000, 39, 127-135.	1.9	53
52	The effect of Zn-Ni sublayers on the corrosion behaviour and thermal stability of epoxy coatings electrodeposited on steel. <i>Journal of the Serbian Chemical Society</i> , 2000, 65, 923-933.	0.4	2
53	Influence of orientation and irradiation on stress relaxation of linear low-density polyethylene (LLDPE): a two-process model. <i>Polymer</i> , 1999, 40, 2631-2637.	1.8	23
54	Corrosion behaviour of epoxy coatings electrodeposited on steel electrochemically modified by Zn-Ni alloy. <i>Electrochimica Acta</i> , 1999, 44, 4269-4277.	2.6	47

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55	Effect of gamma irradiation on the dielectric relaxation of uniaxially oriented low density polyethylene. <i>Polymer International</i> , 1999, 48, 1193-1196.	1.6	19
56	The sorption characteristics of epoxy coatings electrodeposited on steel during exposure to different corrosive agents. <i>Corrosion Science</i> , 1996, 38, 1513-1523.	3.0	92