

Zorica Kacarevic Popovic

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56
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ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
55	The sorption characteristics of epoxy coatings electrodeposited on steel during exposure to different corrosive agents. <i>Corrosion Science</i> , 1996 , 38, 1513-1523	6.8	85
54	Radiolytic synthesis and characterization of Ag-PVA nanocomposites. <i>European Polymer Journal</i> , 2007 , 43, 2171-2176	5.2	74
53	Synthesis and characterization of silver/poly(N-vinyl-2-pyrrolidone) hydrogel nanocomposite obtained by in situ radiolytic method. <i>Radiation Physics and Chemistry</i> , 2011 , 80, 1208-1215	2.5	56
52	Fabrication of Ag-PVA hydrogel nanocomposite by γ irradiation. <i>Polymer Bulletin</i> , 2007 , 58, 271-279	2.4	55
51	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	4.8	48
50	Corrosion behaviour of epoxy coatings electrodeposited on galvanized steel and steel modified by ZnNi alloys. <i>Progress in Organic Coatings</i> , 2000 , 39, 127-135	4.8	47
49	Corrosion behaviour of epoxy coatings electrodeposited on steel electrochemically modified by ZnNi alloy. <i>Electrochimica Acta</i> , 1999 , 44, 4269-4277	6.7	41
48	The influence of steel surface modification by electrodeposited ZnFe alloys on the protective behaviour of an epoxy coating. <i>Progress in Organic Coatings</i> , 2003 , 47, 49-54	4.8	36
47	Radiolitically synthesized nano Ag/C catalysts for oxygen reduction and borohydride oxidation reactions in alkaline media, for potential applications in fuel cells. <i>Energy</i> , 2016 , 101, 79-90	7.9	36
46	Optical and structural properties of radiolytically in situ synthesized silver nanoparticles stabilized by chitosan/poly(vinyl alcohol) blends. <i>Radiation Physics and Chemistry</i> , 2014 , 96, 158-166	2.5	33
45	Corrosion stability of epoxy coatings on aluminum pretreated by vinyltriethoxysilane. <i>Corrosion Science</i> , 2008 , 50, 2078-2084	6.8	33
44	Effect of ageing on the dielectric relaxation of oriented and gamma irradiated LDPE. <i>Polymer Degradation and Stability</i> , 2001 , 71, 367-373	4.7	32
43	Dual responsive antibacterial Ag-poly(N-isopropylacrylamide/itaconic acid) hydrogel nanocomposites synthesized by gamma irradiation. <i>European Polymer Journal</i> , 2015 , 69, 168-185	5.2	31
42	Structural and optical characteristics of silver/poly(N-vinyl-2-pyrrolidone) nanosystems synthesized by γ irradiation. <i>Radiation Physics and Chemistry</i> , 2012 , 81, 1720-1728	2.5	31
41	On the use of gamma irradiation crosslinked PVA membranes in hydrogen fuel cells. <i>Electrochemistry Communications</i> , 2007 , 9, 2661-2665	5.1	30
40	Changes of hydrogen storage properties of MgH ₂ induced by heavy ion irradiation. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 1876-1879	6.7	29
39	Functionalization of carbon nanotubes with silver clusters. <i>Applied Surface Science</i> , 2010 , 256, 7048-7055	5.7	27

38	Structural destabilisation of MgH ₂ obtained by heavy ion irradiation. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 7275-7282	6.7	26
37	Electrochemical synthesis and characterization of hydroxyapatite powders. <i>Materials Chemistry and Physics</i> , 2008 , 111, 137-142	4.4	26
36	Dynamic thermogravimetric degradation of gamma radiolytically synthesized Ag/PVA nanocomposites. <i>Thermochimica Acta</i> , 2007 , 460, 28-34	2.9	25
35	Bioreactor validation and biocompatibility of Ag/poly(N-vinyl-2-pyrrolidone) hydrogel nanocomposites. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 105, 230-5	6	24
34	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	3.9	22
33	In vitro silver ion release kinetics from nanosilver/poly(vinyl alcohol) hydrogels synthesized by gamma irradiation. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	20
32	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	3.4	20
31	Influence of the irradiation conditions on the effect of radiation on polyethylene. <i>Journal of the Serbian Chemical Society</i> , 2004 , 69, 1029-1041	0.9	19
30	Improved Poly(vinyl alcohol) (PVA) based matrix as a potential solid electrolyte for electrochemical energy conversion devices, obtained by gamma irradiation. <i>Energy</i> , 2015 , 90, 595-604	7.9	17
29	Characterization of poly(vinyl alcohol)/gold nanocomposites obtained by in situ gamma-irradiation method. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 1244-1251	2.9	16
28	Effect of gamma irradiation on the dielectric relaxation of uniaxially oriented low density polyethylene. <i>Polymer International</i> , 1999 , 48, 1193-1196	3.3	15
27	The change of crystal symmetry and cation ordering in LiMg ferrites. <i>Journal of Alloys and Compounds</i> , 2002 , 336, 286-291	5.7	13
26	Silver/poly(N-vinyl-2-pyrrolidone) hydrogel nanocomposites obtained by electrochemical synthesis of silver nanoparticles inside the polymer hydrogel aimed for biomedical applications. <i>Polymer Composites</i> , 2014 , 35, 217-226	3	12
25	Characterization of Gamma Irradiated Ethylene-Norbornene Copolymer using FTIR, UV-Vis and DSC Techniques. <i>Polymer Bulletin</i> , 2008 , 60, 313-322	2.4	12
24	Determination of the protective properties of electrodeposited organic epoxy coatings on aluminium and modified aluminium surfaces. <i>Corrosion Science</i> , 2005 , 47, 823-834	6.8	12
23	Physico-chemical characteristics of gamma irradiation crosslinked poly(vinyl alcohol)/magnetite ferrogel composite. <i>Hemijaska Industrija</i> , 2014 , 68, 743-753	0.6	8
22	Efficient and novel Sb ₂ S ₃ based solar cells with chitosan/poly(ethylene glycol)/electrolyte blend. <i>International Journal of Energy Research</i> , 2018 , 42, 843-852	4.5	7
21	MALDI TOF and theoretical investigation of silver clusters obtained by gamma irradiation. <i>Vacuum</i> , 2013 , 89, 47-52	3.7	7

20	Structural characteristics and bonding environment of Ag nanoparticles synthesized by gamma irradiation within thermo-responsive poly(N-isopropylacrylamide) hydrogel. <i>Polymer Composites</i> , 2017 , 38, 1014-1026	3	6
19	The role of low light intensity: A cheap, stable, and solidly efficient amorphous Sb2S3 powder/hypericin composite/PVA matrix loaded with electrolyte solar cell. <i>Environmental Progress and Sustainable Energy</i> , 2017 , 36, 1507-1516	2.5	6
18	Flexible and high-efficiency Sb2S3/solid carrier solar cell at low light intensity. <i>Environmental Chemistry Letters</i> , 2018 , 16, 659-664	13.3	6
17	Surface modification of ethylene-norbornene copolymer by irradiation with N4+ ion beams. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 236, 594-598	1.2	6
16	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	1.5	6
15	Modification of ethylene-norbornene copolymer by Gamma irradiation. <i>Hemijska Industrija</i> , 2006 , 60, 311-315	0.6	3
14	Electroanalytical Sensing of Bromides Using Radiolytically Synthesized Silver Nanoparticle Electrocatalysts. <i>Journal of Analytical Methods in Chemistry</i> , 2017 , 2017, 2028417	2	2
13	The influence of fire retardants on the properties of beech and poplar veneers and plywood. <i>Glasnik Ćumarskog Fakulteta: Univerzitet U Beogradu</i> , 2005 , 111-124	0.1	2
12	Radiolytic synthesis and characterization of PVA/Au nanocomposites: The influence of pH values. <i>Hemijska Industrija</i> , 2008 , 62, 101-106	0.6	2
11	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	0.9	2
10	Nanocomposite Hydrogels Obtained by Gamma Irradiation. <i>Polymers and Polymeric Composites</i> , 2019 , 601-623	0.6	2
9	Silver/poly(N-vinyl-2-pyrrolidone) nanocomposites obtained by the electrochemical synthesis. <i>Hemijska Industrija</i> , 2011 , 65, 687-696	0.6	1
8	Thermal properties of radiolytically synthesized PVA/Ag nanocomposites. <i>Hemijska Industrija</i> , 2007 , 61, 129-134	0.6	1
7	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	0.9	1
6	Determining the degree of fire retardancy of plywood with thermogravimetry, part I: Beech plywood. <i>Glasnik Ćumarskog Fakulteta: Univerzitet U Beogradu</i> , 2007 , 57-71	0.1	1
5	Nanocomposite Hydrogels Obtained by Gamma Irradiation. <i>Polymers and Polymeric Composites</i> , 2018 , 1-23	0.6	
4	Epoxy coatings electrodeposited on aluminium and modified aluminium surfaces. <i>Hemijska Industrija</i> , 2002 , 56, 468-472	0.6	
3	Protective properties of epoxy coatings electrodeposited on steel electrochemically modified by Zn-Fe alloys. <i>Hemijska Industrija</i> , 2004 , 58, 450-456	0.6	

- 2 Corrosion behavior of duplex polyaniline/epoxy coating on mild steel in 3% NaCl. *Hemijska Industrija*, **2005**, 59, 317-320 0.6
- 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 2.5