

Vesna B MiÅkoviÄ-StankoviÄ

List of Publications by Year in descending order

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117
papers

3,576
citations

94269

37
h-index

161609

54
g-index

117
all docs

117
docs citations

117
times ranked

3804
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioactive hydroxyapatite/graphene composite coating and its corrosion stability in simulated body fluid. <i>Journal of Alloys and Compounds</i> , 2015, 624, 148-157.	2.8	167
2	Electrochemical study of corrosion behavior of graphene coatings on copper and aluminum in a chloride solution. <i>Carbon</i> , 2014, 75, 335-344.	5.4	134
3	Electrolyte penetration through epoxy coatings electrodeposited on steel. <i>Corrosion Science</i> , 1995, 37, 241-252.	3.0	127
4	Graphene-based antibacterial composite coatings electrodeposited on titanium for biomedical applications. <i>Progress in Organic Coatings</i> , 2015, 83, 1-10.	1.9	108
5	Inhibition properties of self-assembled corrosion inhibitor talloil diethylenetriamine imidazoline for mild steel corrosion in chloride solution saturated with carbon dioxide. <i>Corrosion Science</i> , 2013, 77, 265-272.	3.0	107
6	Corrosion Stability and Bioactivity in Simulated Body Fluid of Silver/Hydroxyapatite and Silver/Hydroxyapatite/Lignin Coatings on Titanium Obtained by Electrophoretic Deposition. <i>Journal of Physical Chemistry B</i> , 2013, 117, 1633-1643.	1.2	95
7	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
8	Corrosion protection of aluminium by a cathodoretic epoxy coating. <i>Progress in Organic Coatings</i> , 1999, 36, 53-63.	1.9	85
9	Corrosion studies on electrochemically deposited PANI and PANI/epoxy coatings on mild steel in acid sulfate solution. <i>Progress in Organic Coatings</i> , 2005, 52, 359-365.	1.9	84
10	Physicochemical and mechanical properties and antibacterial activity of silver/poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 T Engineering, 2016, 85, 102-112.	5.9	83
11	A comprehensive approach to in vitro functional evaluation of Ag/alginate nanocomposite hydrogels. <i>Carbohydrate Polymers</i> , 2014, 111, 305-314.	5.1	67
12	Novel Bioactive Antimicrobial Lignin Containing Coatings on Titanium Obtained by Electrophoretic Deposition. <i>International Journal of Molecular Sciences</i> , 2014, 15, 12294-12322.	1.8	66
13	Adhesion characteristics and corrosion stability of epoxy coatings electrodeposited on phosphated hot-dip galvanized steel. <i>Progress in Organic Coatings</i> , 2008, 63, 201-208.	1.9	65
14	Studies on adhesion characteristics and corrosion behaviour of vinyltriethoxysilane/epoxy coating protective system on aluminium. <i>Applied Surface Science</i> , 2010, 256, 3508-3517.	3.1	64
15	Electrochemical deposition and characterization of Zn_Co alloys and corrosion protection by electrodeposited epoxy coating on Zn_Co alloy. <i>Electrochimica Acta</i> , 2002, 47, 4101-4112.	2.6	63
16	Corrosion protection of aluminium pretreated by vinyltriethoxysilane in sodium chloride solution. <i>Corrosion Science</i> , 2010, 52, 1060-1069.	3.0	62
17	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.	1.4	61
18	Silver/poly(vinyl alcohol)/chitosan/graphene hydrogels – Synthesis, biological and physicochemical properties and silver release kinetics. <i>Composites Part B: Engineering</i> , 2018, 154, 175-185.	5.9	60

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19	Chitosan-based hydrogel wound dressings with electrochemically incorporated silver nanoparticles â€“ In vitro study. <i>European Polymer Journal</i> , 2019, 121, 109257.	2.6	59
20	Gentamicin-Loaded Bioactive Hydroxyapatite/Chitosan Composite Coating Electrodeposited on Titanium. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 3994-4007.	2.6	58
21	The effect of graphene loading on mechanical, thermal and biological properties of poly(vinyl Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.9	56
22	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
23	Corrosion behaviour of epoxy coatings electrodeposited on galvanized steel and steel modified by Znâ€“Ni alloys. <i>Progress in Organic Coatings</i> , 2000, 39, 127-135.	1.9	53
24	The influence of zinc surface pretreatment on the adhesion of epoxy coating electrodeposited on hot-dip galvanized steel. <i>Progress in Organic Coatings</i> , 2007, 58, 323-330.	1.9	50
25	Alginate hydrogel microbeads incorporated with Ag nanoparticles obtained by electrochemical method. <i>Materials Chemistry and Physics</i> , 2012, 133, 182-189.	2.0	50
26	Comparative in vivo evaluation of novel formulations based on alginate and silver nanoparticles for wound treatments. <i>Journal of Biomaterials Applications</i> , 2018, 32, 1197-1211.	1.2	49
27	Novel alginate based nanocomposite hydrogels with incorporated silver nanoparticles. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 99-107.	1.7	47
28	Thermal properties and thermal stability of PP/MWCNT composites. <i>Composites Part B: Engineering</i> , 2016, 90, 107-114.	5.9	46
29	The effect of applied current density on the surface morphology of deposited calcium phosphate coatings on titanium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 400, 36-43.	2.3	45
30	In vitro investigation of electrophoretically deposited bioactive hydroxyapatite/chitosan coatings reinforced by graphene. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 47, 336-347.	2.9	45
31	Structural and optical characteristics of silver/poly(N-vinyl-2-pyrrolidone) nanosystems synthesized by Î³-irradiation. <i>Radiation Physics and Chemistry</i> , 2012, 81, 1720-1728.	1.4	42
32	In situ electrochemical synthesis of silver-doped poly(vinyl alcohol)/graphene composite hydrogels and their physico-chemical and thermal properties. <i>Composites Part B: Engineering</i> , 2018, 140, 99-107.	5.9	42
33	Investigation of silver impact on hydroxyapatite/lignin coatings electrodeposited on titanium. <i>Materials Chemistry and Physics</i> , 2013, 142, 521-530.	2.0	41
34	The influence of aluminium surface pretreatment on the corrosion stability and adhesion of powder polyester coating. <i>Progress in Organic Coatings</i> , 2010, 69, 316-321.	1.9	39
35	Antibacterial <scp>grapheneâ€“based</scp> hydroxyapatite/chitosan coating with gentamicin for potential applications in bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 2175-2189.	2.1	39
36	Electrodeposition and characterization of Znâ€“Ni alloys as sublayers for epoxy coating deposition. <i>Journal of Applied Electrochemistry</i> , 2001, 31, 355-361.	1.5	38

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37	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
38	The EIS investigation of powder polyester coatings on phosphated low carbon steel: The effect of NaNO ₂ in the phosphating bath. <i>Corrosion Science</i> , 2011, 53, 2872-2880.	3.0	37
39	Corrosion stability of epoxy coatings on aluminum pretreated by vinyltriethoxysilane. <i>Corrosion Science</i> , 2008, 50, 2078-2084.	3.0	36
40	Surface Analysis and Electrochemical Behavior of Aluminum Pretreated by Vinyltriethoxysilane Films in Mild NaCl Solution. <i>Journal of the Electrochemical Society</i> , 2012, 159, C303-C311.	1.3	36
41	Oxidation of phenol on RuO ₂ -TiO ₂ /Ti anodes. <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 43-54.	1.2	35
42	The corrosion behaviour of epoxy-resin electrocoated steel. <i>Corrosion Science</i> , 1992, 33, 271-279.	3.0	34
43	The effect of deposition temperature on the surface coverage and morphology of iron-phosphate coatings on low carbon steel. <i>Applied Surface Science</i> , 2011, 257, 10855-10862.	3.1	34
44	Corrosion study of ceria coatings on AA6060 aluminum alloy obtained by cathodic electrodeposition: Effect of deposition potential. <i>Surface and Coatings Technology</i> , 2014, 240, 327-335.	2.2	32
45	Electrochemical synthesis and characterization of hydroxyapatite powders. <i>Materials Chemistry and Physics</i> , 2008, 111, 137-142.	2.0	31
46	Assessing the Bioactivity of Gentamicin-Preloaded Hydroxyapatite/Chitosan Composite Coating on Titanium Substrate. <i>ACS Omega</i> , 2020, 5, 15433-15445.	1.6	29
47	Corrosion Stability of Oxide Coatings Formed by Plasma Electrolytic Oxidation of Aluminum: Optimization of Process Time. <i>Corrosion</i> , 2013, 69, 693-702.	0.5	27
48	A Novel Method to Mitigate the Top-of-the-Line Corrosion in Wet Gas Pipelines by Corrosion Inhibitor within a Foam Matrix. <i>Corrosion</i> , 2013, 69, 186-192.	0.5	27
49	The effect of lignin on the structure and characteristics of composite coatings electrodeposited on titanium. <i>Progress in Organic Coatings</i> , 2012, 75, 275-283.	1.9	26
50	Bioreactor validation and biocompatibility of Ag/poly(N-vinyl-2-pyrrolidone) hydrogel nanocomposites. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 105, 230-235.	2.5	26
51	Influence of substrate on the formation and growth kinetics of cathodic electrocoat paint. <i>Progress in Organic Coatings</i> , 1995, 25, 293-307.	1.9	25
52	Electrochemistry of carbon dioxide corrosion mitigation using tall oil diethylenetriamine imidazoline as corrosion inhibitor for mild steel. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2016, 67, 756-768.	0.8	25
53	The mechanism of cathodic electrodeposition of epoxy coatings and the corrosion behaviour of the electrodeposited coatings. <i>Journal of the Serbian Chemical Society</i> , 2002, 67, 305-324.	0.4	24
54	Chemical vapour deposition at atmospheric pressure of graphene on molybdenum foil: Effect of annealing time on characteristics and corrosion stability of graphene coatings. <i>Corrosion Science</i> , 2016, 113, 116-125.	3.0	23

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55	Kinetic models of swelling and thermal stability of silver/poly(vinyl alcohol)/chitosan/graphene hydrogels. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 77, 83-96.	2.9	23
56	A comprehensive review of the polymer-based hydrogels with electrochemically synthesized silver nanoparticles for wound dressing applications. <i>Polymer Engineering and Science</i> , 2020, 60, 1393-1419.	1.5	23
57	Comprehensive electrochemical study on corrosion performance of graphene coatings deposited by chemical vapour deposition at atmospheric pressure on platinum-coated molybdenum foil. <i>Corrosion Science</i> , 2018, 130, 31-44.	3.0	22
58	Controlled production of alginate nanocomposites with incorporated silver nanoparticles aimed for biomedical applications. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 1709-1722.	0.4	20
59	Electrophoretic Deposition of Biocompatible and Bioactive Hydroxyapatite-Based Coatings on Titanium. <i>Materials</i> , 2021, 14, 5391.	1.3	19
60	Electrochemical deposition and characterization of Zn-Fe alloys. <i>Journal of the Serbian Chemical Society</i> , 2004, 69, 807-815.	0.4	19
61	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
62	The protective properties of epoxy coating electrodeposited on Zn-Mn alloy substrate. <i>Progress in Organic Coatings</i> , 2015, 79, 8-16.	1.9	18
63	The effect of resin concentration and electrodeposition bath temperature on the corrosion behaviour of polymer-coated steel. <i>Progress in Organic Coatings</i> , 1990, 18, 253-264.	1.9	17
64	The determination of the corrosive behavior of polymer-coated steel with A.C. impedance measurements. <i>Corrosion Science</i> , 1990, 30, 575-582.	3.0	17
65	Methacryloxypropyltrimethoxysilane films on aluminium: Electrochemical characteristics, adhesion and morphology. <i>Progress in Organic Coatings</i> , 2009, 66, 393-399.	1.9	17
66	Corrosion stability of polyester coatings on steel pretreated with different iron-phosphate coatings. <i>Progress in Organic Coatings</i> , 2011, 70, 127-133.	1.9	17
67	Protective properties of cathodic epoxy coating on aluminium alloy AA6060 modified with electrodeposited Ce-based coatings: Effect of post-treatment. <i>Progress in Organic Coatings</i> , 2015, 79, 43-52.	1.9	17
68	Electrochemical synthesis of nanosized hydroxyapatite/graphene composite powder. <i>Carbon Letters</i> , 2015, 16, 233-240.	3.3	17
69	Electrocatalytic activity of sol-gel-prepared RuO ₂ /Ti anode in chlorine and oxygen evolution reactions. <i>Russian Journal of Electrochemistry</i> , 2006, 42, 1055-1060.	0.3	16
70	The effect of the addition of colloidal iridium oxide into sol-gel obtained titanium and ruthenium oxide coatings on titanium on their electrochemical properties. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7521.	1.3	16
71	The influence of Ce-based coatings as pretreatments on corrosion stability of top powder polyester coating on AA6060. <i>Progress in Organic Coatings</i> , 2013, 76, 1387-1395.	1.9	15
72	Silver/poly(<i>N</i> -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.	2.3	15

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73	Electrochemical synthesis of silver nanoparticles in poly(vinyl alcohol) solution. Journal of the Serbian Chemical Society, 2013, 78, 2087-2098.	0.4	13
74	Electrochemical Synthesis and Characterization of Silver Doped Poly(vinyl alcohol)/Chitosan Hydrogels. Corrosion, 2017, 73, 1437-1447.	0.5	13
75	Differences in the electrochemical behavior of ruthenium and iridium oxide in electrocatalytic coatings of activated titanium anodes prepared by the sol-gel procedure. Journal of the Serbian Chemical Society, 2010, 75, 1413-1420.	0.4	12
76	The porosity and roughness of electrodeposited calcium phosphate coatings in simulated body fluid. Journal of the Serbian Chemical Society, 2015, 80, 237-251.	0.4	12
77	Graphene Based Composite Hydrogel for Biomedical Applications. Croatica Chemica Acta, 2017, 90, .	0.1	12
78	Silver/poly(vinyl alcohol)/graphene hydrogels for wound dressing applications: Understanding the mechanism of silver, antibacterial agent release. Journal of Vinyl and Additive Technology, 2022, 28, 196-210.	1.8	12
79	Electrochemical methods for corrosion testing of Ce-based coating prepared on AA6060 alloy by dip immersion method. Journal of the Serbian Chemical Society, 2013, 78, 997-1011.	0.4	11
80	Evaluation of a Novel Top-of-the-Line Corrosion (TLC) Mitigation Method in a Large-Scale Flow Loop. Corrosion, 2015, 71, 389-397.	0.5	11
81	Corrosion stability of cerium-doped cathaphoretic epoxy coatings on AA6060 alloy. Materials and Corrosion - Werkstoffe Und Korrosion, 2016, 67, 1173-1184.	0.8	11
82	The role of the concentration profile of titanium oxide on the electrochemical behavior of RuO ₂ -TiO ₂ coatings obtained by the sol-gel procedure. Journal of the Serbian Chemical Society, 2003, 68, 979-988.	0.4	11
83	Reviewâ€”A Review of the Corrosion Behaviour of Graphene Coatings on Metal Surfaces Obtained by Chemical Vapour Deposition. Journal of the Electrochemical Society, 2022, 169, 021505.	1.3	11
84	The electrochemical impedance spectroscopy of silver doped hydroxyapatite coating in simulated body fluid used as corrosive agent. Journal of the Serbian Chemical Society, 2012, 77, 1609-1623.	0.4	10
85	Electrophoretic Deposition of Biocomposite Lignin/Hydroxyapatite Coatings on Titanium. International Journal of Chemical Reactor Engineering, 2009, 7, .	0.6	9
86	The mixture of dicyclohexylamine and oleylamine as corrosion inhibitor for mild steel in NaCl solution saturated with CO ₂ under both continual immersion and top of the line corrosion. Journal of the Serbian Chemical Society, 2012, 77, 1047-1061.	0.4	9
87	The effect of cesium dopant on APCVD graphene coating on copper. Journal of Materials Research and Technology, 2020, 9, 9798-9812.	2.6	9
88	Melt extrudate swell behavior of multiâ€walled carbon nanotubes filledâ€polypropylene composites. Polymer Composites, 2017, 38, 2433-2439.	2.3	8
89	The chitosan-based bioactive composite coating on titanium. Journal of Materials Research and Technology, 2021, 15, 4461-4474.	2.6	8
90	Activity and stability of RuO ₂ -coated titanium anodes prepared via the alkoxide route. Journal of the Serbian Chemical Society, 2006, 71, 1173-1186.	0.4	7

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91	Surface coverage determination of iron-phosphate coatings on steel using voltammetric anodic dissolution technique. <i>Journal of the Serbian Chemical Society</i> , 2013, 78, 101-114.	0.4	7
92	Poly(vinyl alcohol)/chitosan hydrogels with electrochemically synthesized silver nanoparticles for wound dressing applications. <i>Journal of Electrochemical Science and Engineering</i> , 2020, 10, 185-198.	1.6	7
93	Electrophoretic Deposition of Ceramic Coatings on Metal Surfaces. <i>Modern Aspects of Electrochemistry</i> , 2014, , 133-216.	0.2	7
94	Electrophoretically deposited hydroxyapatite-based composite coatings loaded with silver and gentamicin as antibacterial agents. <i>Journal of the Serbian Chemical Society</i> , 2019, 84, 1287-1304.	0.4	7
95	In Vivo Investigation of Soft Tissue Response of Novel Silver/Poly(Vinyl Alcohol)/ Graphene and Silver/Poly(Vinyl Alcohol)/Chitosan/Graphene Hydrogels Aimed for Medical Applications â€œ The First Experience. <i>Acta Veterinaria</i> , 2018, 68, 321-339.	0.2	6
96	Adhesion of epoxy cataphoretic coatings on Zn alloys. <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 1383-1392.	0.4	5
97	Electrophoretic deposition and thermal treatment of boehmite coatings on titanium. <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 275-287.	0.4	5
98	Biocompatible Hydroxyapatite-Based Composite Coatings Obtained by Electrophoretic Deposition for Medical Applications as Hard Tissue Implants. <i>Modern Aspects of Electrochemistry</i> , 2016, , 377-457.	0.2	3
99	FUNCTIONAL BIOREACTOR CHARACTERIZATION TO ASSESS POTENTIALS OF NANOCOMPOSITES BASED ON DIFFERENT ALGINATE TYPES AND SILVER NANOPARTICLES FOR USE AS CARTILAGE TISSUE IMPLANTS. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 107, 755-768.	2.1	3
100	Effects of interphase regions and tunneling distance on the electrical conductivity of polymer carbon nanotubes nanocomposites. <i>Carbon Letters</i> , 2019, 29, 567-577.	3.3	3
101	Evaluation of Soft Tissue Regenerative Processes After Subcutaneous Implantation of Silver/ Poly(Vinyl Alcohol) and Novel Silver/Poly(Vinyl Alcohol)/Graphene Hydrogels in an Animal Model. <i>Acta Veterinaria</i> , 2021, 71, 285-302.	0.2	3
102	The influence of the deposition parameters on the porosity of thin alumina films on steel. <i>Journal of the Serbian Chemical Society</i> , 2004, 69, 239-249.	0.4	3
103	Cytotoxicity studies of Ag/alginate nanocomposite hydrogels in 2D and 3D cultures. , 2015, , .		2
104	Electrochemical Production of Polymer Hydrogels with Silver Nanoparticles for Medical Applications as Wound Dressings and Soft Tissue Implants. <i>Modern Aspects of Electrochemistry</i> , 2016, , 267-375.	0.2	2
105	The complex viscosity of polymer carbon nanotubes nanocomposites as a function of networks properties. <i>Carbon Letters</i> , 2019, 29, 535-545.	3.3	2
106	Animal models in biocompatibility assessments of implants in soft and hard tissues. <i>Veterinarski Glasnik</i> , 2021, , 5-5.	0.1	2
107	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
108	Silver/poly(N-vinyl-2-pyrrolidone) nanocomposites obtained by the electrochemical synthesis. <i>Hemijaska Industrija</i> , 2011, 65, 687-696.	0.3	1

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109	Electrochemical properties and thermal stability of epoxy coatings electrodeposited on aluminium and modified aluminium surfaces. Journal of the Serbian Chemical Society, 2001, 66, 871-880.	0.4	1
110	Macrophages, the main marker in biocompatibility evaluation of new hydrogels after subcutaneous implantation in rats. Journal of Biomaterials Applications, 2021, , 088532822110461.	1.2	1
111	Photoelectrochemical properties of sol-gel obtained titanium oxide. Journal of the Serbian Chemical Society, 2008, 73, 1211-1221.	0.4	0
112	Synthesis and characterization of sintered hydroxyapatite/lignin coatings on titanium. Hemijska Industrija, 2012, 66, 187-192.	0.3	0
113	Epoxy coatings electrodeposited on aluminium and modified aluminium surfaces. Hemijska Industrija, 2002, 56, 468-472.	0.3	0
114	Protective properties of epoxy coatings electrodeposited on steel electrochemically modified by Zn-Fe alloys. Hemijska Industrija, 2004, 58, 450-456.	0.3	0
115	Corrosion behavior of duplex polyaniline/epoxy coating on mild steel in 3% NaCl. Hemijska Industrija, 2005, 59, 317-320.	0.3	0
116	The adhesion of epoxy cataphoretic coating on phosphatized hot-dip galvanized steel. Hemijska Industrija, 2006, 60, 316-320.	0.3	0
117	Graphene reinforced hydroxyapatite biocomposite coatings obtained by electrophoretic deposition on titanium. Materials Protection, 2018, 59, 293-306.	0.1	0