

Felix I Danilov

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98
papers

1,856
citations

24
h-index

39
g-index

101
ext. papers

2,096
ext. citations

2.5
avg, IF

4.8
L-index

#	Paper	IF	Citations
98	Oxygen and ozone evolution at fluoride modified lead dioxide electrodes. <i>Electrochimica Acta</i> , 1999 , 45, 713-720	6.7	131
97	Electrosynthesis and Physicochemical Properties of PbO[sub 2] Films. <i>Journal of the Electrochemical Society</i> , 2002 , 149, C445	3.9	99
96	Electrodeposition of Co-doped lead dioxide and its physicochemical properties. <i>Journal of Electroanalytical Chemistry</i> , 2002 , 527, 56-64	4.1	98
95	Electrodeposition of lead dioxide from methanesulfonate solutions. <i>Journal of Power Sources</i> , 2009 , 191, 103-110	8.9	88
94	Influence of the electrode history and effects of the electrolyte composition and temperature on O2 evolution at PbO2 anodes in acid media. <i>Journal of Electroanalytical Chemistry</i> , 2002 , 534, 1-12	4.1	85
93	Kinetics and mechanism of chromium electrodeposition from formate and oxalate solutions of Cr(III) compounds. <i>Electrochimica Acta</i> , 2009 , 54, 5666-5672	6.7	82
92	Composite Pb2+TiO2 materials deposited from colloidal electrolyte: Electrosynthesis, and physicochemical properties. <i>Electrochimica Acta</i> , 2009 , 54, 5239-5245	6.7	67
91	Nanocrystalline hard chromium electrodeposition from trivalent chromium bath containing carbamide and formic acid: Structure, composition, electrochemical corrosion behavior, hardness and wear characteristics of deposits. <i>Applied Surface Science</i> , 2011 , 257, 8048-8053	6.7	64
90	Electrosynthesis and physicochemical properties of Fe-doped lead dioxide electrocatalysts. <i>Electrochimica Acta</i> , 2000 , 45, 4341-4350	6.7	60
89	Chromium electroplating from trivalent chromium baths as an environmentally friendly alternative to hazardous hexavalent chromium baths: comparative study on advantages and disadvantages. <i>Clean Technologies and Environmental Policy</i> , 2014 , 16, 1201-1206	4.3	51
88	Electrocatalytic activity of composite Fe/TiO2 electrodeposits for hydrogen evolution reaction in alkaline solutions. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 7363-7372	6.7	50
87	Kinetics of lead dioxide electrodeposition from nitrate solutions containing colloidal TiO2. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 632, 192-196	4.1	45
86	Electrodeposition of lead dioxide at an Au electrode. <i>Electrochimica Acta</i> , 1995 , 40, 2803-2807	6.7	45
85	Effect of water content on physicochemical properties and electrochemical behavior of ionic liquids containing choline chloride, ethylene glycol and hydrated nickel chloride. <i>Journal of Molecular Liquids</i> , 2015 , 212, 716-722	6	41
84	Unusual "chemical" mechanism of carbon co-deposition in Cr-C alloy electrodeposition process from trivalent chromium bath. <i>Electrochemistry Communications</i> , 2012 , 17, 85-87	5.1	37
83	Electrodeposition of hard nanocrystalline chrome from aqueous sulfate trivalent chromium bath. <i>Thin Solid Films</i> , 2011 , 520, 380-383	2.2	35
82	Mechanism of Electrodeposition of Lead Dioxide from Nitrate Solutions. <i>Russian Journal of Electrochemistry</i> , 2003 , 39, 615-621	1.2	35

81	Effects of temperature and water content on physicochemical properties of ionic liquids containing CrCl ₃ · x H ₂ O and choline chloride. <i>Journal of Molecular Liquids</i> , 2016 , 223, 48-53	6	32
80	Nafion effect on the lead dioxide electrodeposition kinetics. <i>Russian Journal of Electrochemistry</i> , 2007 , 43, 118-120	1.2	30
79	Choline chloride based ionic liquids containing nickel chloride: Physicochemical properties and kinetics of Ni(II) electroreduction. <i>Electrochimica Acta</i> , 2017 , 245, 133-145	6.7	29
78	Application of a deep eutectic solvent to prepare nanocrystalline Ni and Ni/TiO ₂ coatings as electrocatalysts for the hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 24604-24616	6.7	28
77	Improving hardness and tribological characteristics of nanocrystalline Cr ₂ O ₃ films obtained from Cr(III) plating bath using pulsed electrodeposition. <i>International Journal of Refractory Metals and Hard Materials</i> , 2012 , 31, 281-283	4.1	28
76	Electropolishing of aluminium in a deep eutectic solvent. <i>Surface and Coatings Technology</i> , 2019 , 375, 143-149	4.4	27
75	Physicochemical properties of ionic liquid mixtures containing choline chloride, chromium (III) chloride and water: effects of temperature and water content. <i>Ionics</i> , 2017 , 23, 637-643	2.7	25
74	Electrocatalytic activity of anodes in reference to Cr(III) oxidation reaction. <i>Electrochimica Acta</i> , 1993 , 38, 437-440	6.7	24
73	Activation energy of electrochemical reaction measured at a constant value of electrode potential. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 651, 105-110	4.1	23
72	Electrodeposition of Nanocrystalline Nickel Coatings from a Deep Eutectic Solvent with Water Addition. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2017 , 53, 1131-1138	0.9	20
71	Electrodeposition of Fe and composite Fe/ZrO ₂ coatings from a methanesulfonate bath. <i>Surface Engineering and Applied Electrochemistry</i> , 2015 , 51, 65-75	0.8	19
70	Electroplating of chromium coatings from Cr(III)-based electrolytes containing water soluble polymer. <i>Protection of Metals</i> , 2006 , 42, 560-569		19
69	Kinetics and Mechanism of Chromium Electroplating from Cr(III) Baths. <i>Protection of Metals</i> , 2001 , 37, 223-228		18
68	Thick chromium electrodeposition from trivalent chromium bath containing carbamide and formic acid. <i>Metal Finishing</i> , 2011 , 109, 33-37		16
67	PbO ₂ -TiO ₂ composite electrodes. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2009 , 45, 327-332		16
66	Electrodeposition of Ni/TiO ₂ Composite Coatings Using Electrolyte Based on a Deep Eutectic Solvent. <i>Surface Engineering and Applied Electrochemistry</i> , 2019 , 55, 138-149	0.8	15
65	Electrodeposition of hard iron-zirconia dioxide composite coatings from a methanesulfonate electrolyte. <i>Russian Journal of Applied Chemistry</i> , 2013 , 86, 1735-1740	0.8	15
64	Kinetics of nickel electroplating from methanesulfonate electrolyte. <i>Russian Journal of Electrochemistry</i> , 2011 , 47, 1035-1042	1.2	15

63	Unusually high current efficiency of nanocrystalline Cr electrodeposition process from trivalent chromium bath. <i>Surface Engineering</i> , 2011 , 27, 690-692	2.6	15
62	Electrodeposition of PbO ₂ -ZrO ₂ composite materials. <i>Russian Journal of Electrochemistry</i> , 2008 , 44, 1251-1256	1.4	14
61	Electrodeposition of lead in alloy from methanesulphonate bath containing organic surfactants. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2010 , 46, 697-703	0.9	12
60	Kinetic Regularities Governing the Reaction of Electrodeposition of Iron from Solutions of Citrate Complexes of Iron(III). <i>Russian Journal of Electrochemistry</i> , 2005 , 41, 1282-1289	1.2	12
59	Oxygen evolution on lead dioxide modified with fluorine and iron. <i>Russian Journal of Electrochemistry</i> , 2000 , 36, 1216-1220	1.2	12
58	Electroplating of Ni-Fe alloys from methanesulfonate electrolytes. <i>Russian Journal of Electrochemistry</i> , 2014 , 50, 293-296	1.2	11
57	Antifriction coatings of Pb-Bi-Cu alloy electro-deposited from methanesulphonate bath. <i>Transactions of the Institute of Metal Finishing</i> , 2011 , 89, 151-154	1.3	11
56	Fe/TiO ₂ composite coatings modified by ceria layer: Electrochemical synthesis using environmentally friendly methanesulfonate electrolytes and application as photocatalysts for organic dyes degradation. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 136-146	6.8	10
55	The inhibiting effect of organic substances at polycrystalline and amalgam electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2003 , 552, 69-76	4.1	10
54	Electrocatalytic processes on Pb/PbO ₂ electrodes at high anodic potential. <i>Electrochimica Acta</i> , 1994 , 39, 1603-1605	6.7	10
53	Electrodeposition of composite Fe ₃ O ₄ coatings from methanesulfonate electrolyte. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016 , 52, 532-537	0.9	10
52	Kinetics and mechanism of chromium electrodeposition from methanesulfonate solutions of Cr(III) salts. <i>Surface Engineering and Applied Electrochemistry</i> , 2014 , 50, 384-389	0.8	9
51	Electrodeposition of iron/titania composite coatings from methanesulfonate electrolyte. <i>Russian Journal of Applied Chemistry</i> , 2014 , 87, 283-288	0.8	9
50	Application of dimensional analysis and similarity theory for simulation of electrode kinetics described by the Marcus-Hush-Chidsey formalism. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 669, 50-54	4.1	9
49	Electrodeposition of nanocrystalline chromium coatings from Cr(III)-based electrolyte using pulsed current. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2011 , 47, 598-605	0.9	9
48	Electrodeposition of chromium coatings from sulfated carbamide electrolytes based on Cr(III) compounds. <i>Materials Science</i> , 2011 , 46, 647-652	0.7	9
47	Applying a theory of generalized variables to electrochemical kinetics: Interpreting the results of studying chromium deposition from Cr(III) baths. <i>Protection of Metals</i> , 2007 , 43, 398-406		9
46	Trivalent chromium electrodeposition using a deep eutectic solvent. <i>Anti-Corrosion Methods and Materials</i> , 2018 , 65, 499-505	0.8	9

45	Fabrication and characterization of multifunctional Fe/TiO ₂ composite coatings. <i>Materials Research Bulletin</i> , 2018 , 100, 32-41	5.1	8
44	Electrodeposition of nanocrystalline chromium-carbon alloys from electrolyte based on trivalent chromium sulfate using pulsed current. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2012 , 48, 328-333	0.9	8
43	Electrode processes occurring during the electrodeposition of chromium-carbon coatings from solutions of Cr(III) salts with carbamide and formic acid additions. <i>Russian Journal of Electrochemistry</i> , 2013 , 49, 475-482	1.2	8
42	Electrolytic Deposition of Hard Chromium Coatings from Electrolyte Based on Deep Eutectic Solvent. <i>Russian Journal of Applied Chemistry</i> , 2018 , 91, 1106-1111	0.8	8
41	The influence of various factors on corrosion of mild steel in deep eutectic solvents. <i>Materials Today: Proceedings</i> , 2019 , 6, 232-236	1.4	7
40	Electroplating of wear-resistant nanocrystalline coatings from a bath containing basic chromium(III) sulfate (chrome tanning agent). <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2013 , 49, 299-303	0.9	7
39	Voltammetry study of Cr(III)/Cr(II) system in methanesulfonate and sulfate solutions: Temperature dependences. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 689, 269-275	4.1	7
38	Voltammetry study of Cr(III)/Cr(II) system in aqueous methanesulfonate solutions. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 661, 213-218	4.1	7
37	The corrosion-protective traits of electroplated multilayer zinc-iron-chromium deposits. <i>Metal Finishing</i> , 2010 , 108, 28-32		7
36	PbO ₂ -TiO ₂ composites: Electrosynthesis and physicochemical properties. <i>Russian Journal of Applied Chemistry</i> , 2008 , 81, 994-999	0.8	7
35	Enhancement of the surface characteristics of Ti-based biomedical alloy by electropolishing in environmentally friendly deep eutectic solvent (Ethaline). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 613, 126125	5.1	7
34	Estimation of the protective ability of chromium coatings deposited from sulfate and methanesulfonate electrolytes based on Cr(III). <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2014 , 50, 672-678	0.9	6
33	Structure and properties of NiCo alloys electrodeposited from methanesulfonate electrolytes. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2015 , 51, 812-816	0.9	5
32	Ni-Co alloy coatings obtained from methanesulfonate electrolytes. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2014 , 50, 639-642	0.9	5
31	Actual activation energy of electrode process under mixed kinetics conditions. <i>Russian Journal of Electrochemistry</i> , 2009 , 45, 1105-1114	1.2	5
30	Actual activation energy of electrochemical reactions at stage charge transfer. <i>Russian Journal of Electrochemistry</i> , 2010 , 46, 188-195	1.2	5
29	Oxidation of Sn(II) in methanesulfonate electrolytes in presence of antioxidants. <i>Russian Journal of Applied Chemistry</i> , 2010 , 83, 752-754	0.8	5
28	Hard chromium electrodeposition from a trivalent chromium bath containing water-soluble polymer. <i>Turkish Journal of Chemistry</i> , 2014 , 38, 50-55	1	4

27	Electrodeposition of composite materials PbO ₂ -Ti and their physicochemical properties. <i>Russian Journal of Electrochemistry</i> , 2009 , 45, 778-782	1.2	4
26	Multistep electrochemical reactions involving transport of intermediates between the near-electrode layer and the bulk solution: A kinetics analysis based on theory of generalized variables (theory of similarity). <i>Russian Journal of Electrochemistry</i> , 2005 , 41, 108-112	1.2	4
25	Kinetics of electrodeposition of NiZrO ₂ nanocomposite coatings from methanesulfonate electrolytes. <i>Russian Journal of Electrochemistry</i> , 2016 , 52, 494-499	1.2	4
24	Electrochemical synthesis and properties of iron-titanium dioxide composite coatings. <i>Russian Journal of Applied Chemistry</i> , 2017 , 90, 1148-1153	0.8	3
23	Hydrogen evolution reaction on Cr ^{III} electrocatalysts electrodeposited from a choline chloride based trivalent chromium plating bath. <i>Voprosy Khimii I Khimicheskoi Tekhnologii</i> , 2019 , 61-66	0.7	3
22	Parameters of the double electric layer and n-butanol adsorption on lead in methanesulfonate solutions. <i>Russian Journal of Electrochemistry</i> , 2012 , 48, 936-940	1.2	2
21	Activation energy of electrochemical reaction at a constant value of electrode potential. <i>Russian Journal of Electrochemistry</i> , 2009 , 45, 1037-1040	1.2	2
20	Multistep Electrochemical Reactions Involving Transport of Intermediates between the Near-electrode Layer and the Bulk Solution: The Kinetics of Two-Step Processes in Conditions of Non-steady-state Diffusion. <i>Russian Journal of Electrochemistry</i> , 2005 , 41, 1274-1281	1.2	2
19	Corrosion resistance and protective properties of chromium coatings electrodeposited from an electrolyte based on deep eutectic solvent. <i>Functional Materials</i> , 2018 , 25, 539-545	0.6	2
18	Electrodeposition of NiZrO ₂ Nanocomposites from Methanesulfonate Electrolytes. <i>Materials Science</i> , 2016 , 51, 877-884	0.7	2
17	Electrolytic Codeposition of Nickel and Phosphorus from Methanesulfonate Electrolyte. <i>Surface Engineering and Applied Electrochemistry</i> , 2018 , 54, 125-130	0.8	2
16	Kinetics study and influence of water-soluble polymer on the electrodeposition of iron from a citrate-chloride electrolyte on the basis of Fe(III). <i>Turkish Journal of Chemistry</i> , 2015 , 39, 610-619	1	1
15	Electrodeposition of nickel-based nanocomposite coatings from cerium(III)-ion-containing methanesulfonate electrolytes. <i>Russian Journal of Electrochemistry</i> , 2015 , 51, 294-298	1.2	1
14	Effect of adsorption of polyhexamethyleneguanidine derivatives on the formation rate, morphology, and phase composition of carbonate deposits. <i>Russian Journal of Applied Chemistry</i> , 2014 , 87, 1836-1841	0.8	1
13	Multistage Electrochemical Reactions with the Transfer of Intermediates between Near-Electrode Layer and Bulk Solution: Analysis of a Kinetic Model and Computer-Aided Modeling. <i>Russian Journal of Electrochemistry</i> , 2004 , 40, 1-9	1.2	1
12	Theory of generalized variables in electrochemical kinetics: Simulation of the slow discharge theory equations. <i>Russian Journal of Electrochemistry</i> , 2005 , 41, 104-107	1.2	1
11	Properties of Ni-TiO ₂ composites electrodeposited from methanesulfonate electrolyte. <i>Functional Materials</i> , 2017 , 24, 005-475	0.6	1
10	Chromium electrodeposition using electrolytes based on trivalent chromium compounds: a review. <i>Voprosy Khimii I Khimicheskoi Tekhnologii</i> , 2020 , 4-29	0.7	1

9	Influence of Methylsulfonate Anions on the Structure of Electrolytic Cobalt Coatings. <i>Materials Science</i> , 2016 , 52, 396-401	0.7	1
8	Electrochemical synthesis and characterization of electrocatalytic materials for hydrogen production using Cr(III) baths based on a deep eutectic solvent. <i>Materials Letters</i> , 2022 , 313, 131800	3.3	0
7	Effect of Ca ²⁺ and Zn ²⁺ ions on the adsorption and inhibitory properties of polyhexamethyleneguanidine derivatives. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2017 , 53, 916-919	0.9	
6	Adsorption and inhibition properties of associates based on water-soluble polymers. <i>Russian Journal of Electrochemistry</i> , 2010 , 46, 1175-1181	1.2	
5	Anodic treatment of tin in alkaline electrolytes. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 74-77	0.8	
4	Multistage Electrochemical Reactions with the Transfer of Intermediates between the Near-Electrode Layer and the Bulk Solution: The Accumulation of the Intermediates and the Current Redistribution between the Stages during Electrolysis. <i>Russian Journal of Electrochemistry</i> , 2004 , 40, 156-159	1.2	
3	Improvement of the anticorrosive properties of galvanic metallic coatings. <i>Materials Science</i> , 1995 , 30, 607-614	0.7	
2	A pulsed coulostatic method of evaluating the protective properties and corrosion resistance of coatings. <i>Soviet Materials Science</i> , 1988 , 24, 229-231		
1	Effects of water and sodium dodecyl sulfate additives on Cr(III) ions electroreduction in a deep eutectic solvent. <i>Voprosy Khimii i Khimicheskoi Tekhnologii</i> , 2021 , 110-116	0.7	