

# Felix I Danilov

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/506489/felix-i-danilov-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Electrochemical synthesis and characterization of electrocatalytic materials for hydrogen production using Cr(III) baths based on a deep eutectic solvent. <i>Materials Letters</i> , <b>2022</b> , 313, 131800	3.3	0
97	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> , <b>2021</b> , 613, 126125	5.1	7
96	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> , <b>2021</b> , 110-116	0.7	
95	Chromium electrodeposition using electrolytes based on trivalent chromium compounds: a review. <i>Voprosy Khimii I Khimicheskoi Tekhnologii</i> , <b>2020</b> , 4-29	0.7	1
94	The influence of various factors on corrosion of mild steel in deep eutectic solvents. <i>Materials Today: Proceedings</i> , <b>2019</b> , 6, 232-236	1.4	7
93	Application of a deep eutectic solvent to prepare nanocrystalline Ni and Ni/TiO <sub>2</sub> coatings as electrocatalysts for the hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 24604-24616	6.7	28
92	Electrodeposition of Ni/TiO <sub>2</sub> Composite Coatings Using Electrolyte Based on a Deep Eutectic Solvent. <i>Surface Engineering and Applied Electrochemistry</i> , <b>2019</b> , 55, 138-149	0.8	15
91	Electropolishing of aluminium in a deep eutectic solvent. <i>Surface and Coatings Technology</i> , <b>2019</b> , 375, 143-149	4.4	27
90	Hydrogen evolution reaction on Cr(III) electrocatalysts electrodeposited from a choline chloride based trivalent chromium plating bath. <i>Voprosy Khimii I Khimicheskoi Tekhnologii</i> , <b>2019</b> , 61-66	0.7	3
89	Fabrication and characterization of multifunctional Fe/TiO <sub>2</sub> composite coatings. <i>Materials Research Bulletin</i> , <b>2018</b> , 100, 32-41	5.1	8
88	Corrosion resistance and protective properties of chromium coatings electrodeposited from an electrolyte based on deep eutectic solvent. <i>Functional Materials</i> , <b>2018</b> , 25, 539-545	0.6	2
87	Electrolytic Deposition of Hard Chromium Coatings from Electrolyte Based on Deep Eutectic Solvent. <i>Russian Journal of Applied Chemistry</i> , <b>2018</b> , 91, 1106-1111	0.8	8
86	Trivalent chromium electrodeposition using a deep eutectic solvent. <i>Anti-Corrosion Methods and Materials</i> , <b>2018</b> , 65, 499-505	0.8	9
85	Electrolytic Codeposition of Nickel and Phosphorus from Methanesulfonate Electrolyte. <i>Surface Engineering and Applied Electrochemistry</i> , <b>2018</b> , 54, 125-130	0.8	2
84	Choline chloride based ionic liquids containing nickel chloride: Physicochemical properties and kinetics of Ni(II) electroreduction. <i>Electrochimica Acta</i> , <b>2017</b> , 245, 133-145	6.7	29
83	Electrodeposition of Nanocrystalline Nickel Coatings from a Deep Eutectic Solvent with Water Addition. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2017</b> , 53, 1131-1138	0.9	20
82	Physicochemical properties of ionic liquid mixtures containing choline chloride, chromium (III) chloride and water: effects of temperature and water content. <i>Ionics</i> , <b>2017</b> , 23, 637-643	2.7	25

81	Fe/TiO <sub>2</sub> 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> , <b>2017</b> , 5, 136-146	6.8	10
80	Electrochemical synthesis and properties of iron-titanium dioxide composite coatings. <i>Russian Journal of Applied Chemistry</i> , <b>2017</b> , 90, 1148-1153	0.8	3
79	Effect of Ca <sup>2+</sup> and Zn <sup>2+</sup> ions on the adsorption and inhibitory properties of polyhexamethyleneguanidine derivatives. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2017</b> , 53, 916-919	0.9	
78	Properties of Ni-TiO <sub>2</sub> composites electrodeposited from methanesulfonate electrolyte. <i>Functional Materials</i> , <b>2017</b> , 24, 005-475	0.6	1
77	Effects of temperature and water content on physicochemical properties of ionic liquids containing CrCl <sub>3</sub> · x H <sub>2</sub> O and choline chloride. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 223, 48-53	6	32
76	Kinetics of electrodeposition of Ni-ZrO <sub>2</sub> nanocomposite coatings from methanesulfonate electrolytes. <i>Russian Journal of Electrochemistry</i> , <b>2016</b> , 52, 494-499	1.2	4
75	Influence of Methylsulfonate Anions on the Structure of Electrolytic Cobalt Coatings. <i>Materials Science</i> , <b>2016</b> , 52, 396-401	0.7	1
74	Electrodeposition of composite Fe-TiO <sub>2</sub> coatings from methanesulfonate electrolyte. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2016</b> , 52, 532-537	0.9	10
73	Electrocatalytic activity of composite Fe/TiO <sub>2</sub> electrodeposits for hydrogen evolution reaction in alkaline solutions. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 7363-7372	6.7	50
72	Electrodeposition of Ni-ZrO <sub>2</sub> Nanocomposites from Methanesulfonate Electrolytes. <i>Materials Science</i> , <b>2016</b> , 51, 877-884	0.7	2
71	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> , <b>2015</b> , 39, 610-619	1	1
70	Electrodeposition of nickel-based nanocomposite coatings from cerium(III)-ion-containing methanesulfonate electrolytes. <i>Russian Journal of Electrochemistry</i> , <b>2015</b> , 51, 294-298	1.2	1
69	Electrodeposition of Fe and composite Fe/ZrO <sub>2</sub> coatings from a methanesulfonate bath. <i>Surface Engineering and Applied Electrochemistry</i> , <b>2015</b> , 51, 65-75	0.8	19
68	Structure and properties of Ni-Ti alloys electrodeposited from methanesulfonate electrolytes. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2015</b> , 51, 812-816	0.9	5
67	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> , <b>2015</b> , 212, 716-722	6	41
66	Kinetics and mechanism of chromium electrodeposition from methanesulfonate solutions of Cr(III) salts. <i>Surface Engineering and Applied Electrochemistry</i> , <b>2014</b> , 50, 384-389	0.8	9
65	Electroplating of Ni-Fe alloys from methanesulfonate electrolytes. <i>Russian Journal of Electrochemistry</i> , <b>2014</b> , 50, 293-296	1.2	11
64	Electrodeposition of iron/titania composite coatings from methanesulfonate electrolyte. <i>Russian Journal of Applied Chemistry</i> , <b>2014</b> , 87, 283-288	0.8	9

63	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> , <b>2014</b> , 50, 672-678	0.9	6
62	Ni-Co alloy coatings obtained from methanesulfonate electrolytes. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2014</b> , 50, 639-642	0.9	5
61	Hard chromium electrodeposition from a trivalent chromium bath containing water-soluble polymer. <i>Turkish Journal of Chemistry</i> , <b>2014</b> , 38, 50-55	1	4
60	Effect of adsorption of polyhexamethyleneguanidine derivatives on the formation rate, morphology, and phase composition of carbonate deposits. <i>Russian Journal of Applied Chemistry</i> , <b>2014</b> , 87, 1836-1841	0.8	1
59	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> , <b>2014</b> , 16, 1201-1206	4.3	51
58	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> , <b>2013</b> , 49, 475-482	1.2	8
57	Electrodeposition of hard iron-zirconia dioxide composite coatings from a methanesulfonate electrolyte. <i>Russian Journal of Applied Chemistry</i> , <b>2013</b> , 86, 1735-1740	0.8	15
56	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> , <b>2013</b> , 49, 299-303	0.9	7
55	Voltammetry study of Cr(III)/Cr(II) system in methanesulfonate and sulfate solutions: Temperature dependences. <i>Journal of Electroanalytical Chemistry</i> , <b>2013</b> , 689, 269-275	4.1	7
54	Improving hardness and tribological characteristics of nanocrystalline Cr <sub>3</sub> C <sub>2</sub> films obtained from Cr(III) plating bath using pulsed electrodeposition. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2012</b> , 31, 281-283	4.1	28
53	Unusual "chemical" mechanism of carbon co-deposition in Cr-C alloy electrodeposition process from trivalent chromium bath. <i>Electrochemistry Communications</i> , <b>2012</b> , 17, 85-87	5.1	37
52	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> , <b>2012</b> , 48, 328-333	0.9	8
51	Parameters of the double electric layer and n-butanol adsorption on lead in methanesulfonate solutions. <i>Russian Journal of Electrochemistry</i> , <b>2012</b> , 48, 936-940	1.2	2
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> , <b>2012</b> , 669, 50-54	4.1	9
49	Voltammetry study of Cr(III)/Cr(II) system in aqueous methanesulfonate solutions. <i>Journal of Electroanalytical Chemistry</i> , <b>2011</b> , 661, 213-218	4.1	7
48	Thick chromium electrodeposition from trivalent chromium bath containing carbamide and formic acid. <i>Metal Finishing</i> , <b>2011</b> , 109, 33-37		16
47	Antifriction coatings of Pb <sub>80</sub> Ni <sub>20</sub> alloy electro-deposited from methanesulphonate bath. <i>Transactions of the Institute of Metal Finishing</i> , <b>2011</b> , 89, 151-154	1.3	11
46	Electrodeposition of hard nanocrystalline chrome from aqueous sulfate trivalent chromium bath. <i>Thin Solid Films</i> , <b>2011</b> , 520, 380-383	2.2	35

45	Electrodeposition of nanocrystalline chromium coatings from Cr(III)-based electrolyte using pulsed current. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2011</b> , 47, 598-605	0.9	9
44	Kinetics of nickel electroplating from methanesulfonate electrolyte. <i>Russian Journal of Electrochemistry</i> , <b>2011</b> , 47, 1035-1042	1.2	15
43	Electrodeposition of chromium coatings from sulfate-carbamide electrolytes based on Cr(III) compounds. <i>Materials Science</i> , <b>2011</b> , 46, 647-652	0.7	9
42	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> , <b>2011</b> , 257, 8048-8053	6.7	64
41	Activation energy of electrochemical reaction measured at a constant value of electrode potential. <i>Journal of Electroanalytical Chemistry</i> , <b>2011</b> , 651, 105-110	4.1	23
40	Unusually high current efficiency of nanocrystalline Cr electrodeposition process from trivalent chromium bath. <i>Surface Engineering</i> , <b>2011</b> , 27, 690-692	2.6	15
39	The corrosion-protective traits of electroplated multilayer zinc-iron-chromium deposits. <i>Metal Finishing</i> , <b>2010</b> , 108, 28-32		7
38	Actual activation energy of electrochemical reactions at stage charge transfer. <i>Russian Journal of Electrochemistry</i> , <b>2010</b> , 46, 188-195	1.2	5
37	Adsorption and inhibition properties of associates based on water-soluble polymers. <i>Russian Journal of Electrochemistry</i> , <b>2010</b> , 46, 1175-1181	1.2	
36	Oxidation of Sn(II) in methanesulfonate electrolytes in presence of antioxidants. <i>Russian Journal of Applied Chemistry</i> , <b>2010</b> , 83, 752-754	0.8	5
35	Electrodeposition of lead-in alloy from methanesulphonate bath containing organic surfactants. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2010</b> , 46, 697-703	0.9	12
34	Composite Pb <sub>2</sub> PbO <sub>2</sub> materials deposited from colloidal electrolyte: Electrosynthesis, and physicochemical properties. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 5239-5245	6.7	67
33	Kinetics and mechanism of chromium electrodeposition from formate and oxalate solutions of Cr(III) compounds. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 5666-5672	6.7	82
32	Kinetics of lead dioxide electrodeposition from nitrate solutions containing colloidal TiO <sub>2</sub> . <i>Journal of Electroanalytical Chemistry</i> , <b>2009</b> , 632, 192-196	4.1	45
31	Electrodeposition of lead dioxide from methanesulfonate solutions. <i>Journal of Power Sources</i> , <b>2009</b> , 191, 103-110	8.9	88
30	PbO <sub>2</sub> -TiO <sub>2</sub> composite electrodes. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2009</b> , 45, 327-332	1.2	16
29	Electrodeposition of composite materials PbO <sub>2</sub> -Ti and their physicochemical properties. <i>Russian Journal of Electrochemistry</i> , <b>2009</b> , 45, 778-782	1.2	4
28	Activation energy of electrochemical reaction at a constant value of electrode potential. <i>Russian Journal of Electrochemistry</i> , <b>2009</b> , 45, 1037-1040	1.2	2

27	Actual activation energy of electrode process under mixed kinetics conditions. <i>Russian Journal of Electrochemistry</i> , <b>2009</b> , 45, 1105-1114	1.2	5
26	PbO <sub>2</sub> -TiO <sub>2</sub> composites: Electrosynthesis and physicochemical properties. <i>Russian Journal of Applied Chemistry</i> , <b>2008</b> , 81, 994-999	0.8	7
25	Electrodeposition of PbO <sub>2</sub> -ZrO <sub>2</sub> composite materials. <i>Russian Journal of Electrochemistry</i> , <b>2008</b> , 44, 1251-1256	1.4	14
24	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> , <b>2007</b> , 43, 398-406		9
23	Nafion effect on the lead dioxide electrodeposition kinetics. <i>Russian Journal of Electrochemistry</i> , <b>2007</b> , 43, 118-120	1.2	30
22	Anodic treatment of tin in alkaline electrolytes. <i>Russian Journal of Applied Chemistry</i> , <b>2007</b> , 80, 74-77	0.8	
21	Electroplating of chromium coatings from Cr(III)-based electrolytes containing water soluble polymer. <i>Protection of Metals</i> , <b>2006</b> , 42, 560-569		19
20	Theory of generalized variables in electrochemical kinetics: Simulation of the slow discharge theory equations. <i>Russian Journal of Electrochemistry</i> , <b>2005</b> , 41, 104-107	1.2	1
19	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> , <b>2005</b> , 41, 108-112	1.2	4
18	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> , <b>2005</b> , 41, 1274-1281	1.2	2
17	Kinetic Regularities Governing the Reaction of Electrodeposition of Iron from Solutions of Citrate Complexes of Iron(III). <i>Russian Journal of Electrochemistry</i> , <b>2005</b> , 41, 1282-1289	1.2	12
16	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> , <b>2004</b> , 40, 1-9	1.2	1
15	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> , <b>2004</b> , 40, 456-459	1.2	
14	Mechanism of Electrodeposition of Lead Dioxide from Nitrate Solutions. <i>Russian Journal of Electrochemistry</i> , <b>2003</b> , 39, 615-621	1.2	35
13	The inhibiting effect of organic substances at polycrystalline and amalgam electrodes. <i>Journal of Electroanalytical Chemistry</i> , <b>2003</b> , 552, 69-76	4.1	10
12	Electrodeposition of Co-doped lead dioxide and its physicochemical properties. <i>Journal of Electroanalytical Chemistry</i> , <b>2002</b> , 527, 56-64	4.1	98
11	Influence of the electrode history and effects of the electrolyte composition and temperature on O <sub>2</sub> evolution at PbO <sub>2</sub> anodes in acid media. <i>Journal of Electroanalytical Chemistry</i> , <b>2002</b> , 534, 1-12	4.1	85
10	Electrosynthesis and Physicochemical Properties of PbO <sub>2</sub> Films. <i>Journal of the Electrochemical Society</i> , <b>2002</b> , 149, C445	3.9	99

9	Kinetics and Mechanism of Chromium Electroplating from Cr(III) Baths. <i>Protection of Metals</i> , <b>2001</b> , 37, 223-228		18
8	Electrosynthesis and physicochemical properties of Fe-doped lead dioxide electrocatalysts. <i>Electrochimica Acta</i> , <b>2000</b> , 45, 4341-4350	6.7	60
7	Oxygen evolution on lead dioxide modified with fluorine and iron. <i>Russian Journal of Electrochemistry</i> , <b>2000</b> , 36, 1216-1220	1.2	12
6	Oxygen and ozone evolution at fluoride modified lead dioxide electrodes. <i>Electrochimica Acta</i> , <b>1999</b> , 45, 713-720	6.7	131
5	Improvement of the anticorrosive properties of galvanic metallic coatings. <i>Materials Science</i> , <b>1995</b> , 30, 607-614	0.7	
4	Electrodeposition of lead dioxide at an Au electrode. <i>Electrochimica Acta</i> , <b>1995</b> , 40, 2803-2807	6.7	45
3	Electrocatalytic processes on Pb/PbO <sub>2</sub> electrodes at high anodic potential. <i>Electrochimica Acta</i> , <b>1994</b> , 39, 1603-1605	6.7	10
2	Electrocatalytic activity of anodes in reference to Cr(III) oxidation reaction. <i>Electrochimica Acta</i> , <b>1993</b> , 38, 437-440	6.7	24
1	A pulsed coulostatic method of evaluating the protective properties and corrosion resistance of coatings. <i>Soviet Materials Science</i> , <b>1988</b> , 24, 229-231		