

# Parfenyuk Vladimir

## List of Publications by Citations

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89  
papers

466  
citations

13  
h-index

17  
g-index

92  
ext. papers

541  
ext. citations

1.8  
avg, IF

4.11  
L-index

#	Paper	IF	Citations
89	Surface Potential at the Gas/Aqueous Solution Interface. <i>Colloid Journal</i> , <b>2002</b> , 64, 588-595	1.1	39
88	Anode plasma electrolytic carburizing of commercial pure titanium. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 1303-1309	4.4	20
87	Solvent and electrode influence on electrochemical forming of poly-Fe(III)-aminophenylporphyrin films. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2017</b> , 21, 555-567	1.8	18
86	Structures and properties of porphyrin-based film materials part I. The films obtained via vapor-assisted methods. <i>Advances in Colloid and Interface Science</i> , <b>2018</b> , 253, 23-34	14.3	17
85	Electroconductive films based on amino-substituted tetraphenylporphyrins and their metal copper complexes. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2016</b> , 20, 793-803	1.8	17
84	Poly-porphyrin electrocatalytic films obtained via new superoxide-assisted electrochemical deposition method. <i>Electrochemistry Communications</i> , <b>2017</b> , 83, 28-32	5.1	17
83	Electrochemically synthesized superoxide radical anion as an activator of electrodeposition of polyporphyrin films. <i>Mendeleev Communications</i> , <b>2017</b> , 27, 470-472	1.9	17
82	Plasma electrolytic nitriding of alpha- and beta-titanium alloy in ammonia-based electrolyte. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 1291-1296	4.4	17
81	The coulometric approach to the superoxide scavenging activity determination: The case of porphyrin derivatives influence on oxygen electroreduction. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2015</b> , 19, 1053-1062	1.8	16
80	Substituent position influence on the electrochemical properties and antioxidant activity of tetra(aminophenyl)porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2014</b> , 18, 585-593	1.8	16
79	Ab initio calculations of structure and stability of small boron nitride clusters. <i>Journal of Structural Chemistry</i> , <b>2006</b> , 47, 1016-1021	0.9	15
78	Mechanism and superoxide scavenging activity of hydroxy substituted tetraphenylporphyrins via coulometric approach. <i>Journal of Electroanalytical Chemistry</i> , <b>2016</b> , 772, 80-88	4.1	13
77	Physicochemical properties of an electroconductive film based on tetrakis(p-aminophenyl)porphine. <i>Russian Journal of Physical Chemistry A</i> , <b>2014</b> , 88, 325-330	0.7	13
76	Superoxide-assisted electrochemical deposition of Mn-aminophenyl porphyrins: Process characteristics and properties of the films. <i>Electrochimica Acta</i> , <b>2018</b> , 292, 256-267	6.7	13
75	Anode Plasma Electrolytic Saturation of Titanium Alloys with Nitrogen and Oxygen. <i>Journal of Materials Science and Technology</i> , <b>2016</b> , 32, 1027-1032	9.1	12
74	Effect of anodic potential on process of formation of polyporphyrin film in solutions of tetrakis(p-aminophenyl)porphin in dichloromethane. <i>Russian Journal of Electrochemistry</i> , <b>2014</b> , 50, 429-437	1.2	12
73	Electrochemical properties of derivatives of tetraphenylporphyrin in dichloromethane. <i>Russian Journal of Electrochemistry</i> , <b>2014</b> , 50, 517-522	1.2	12

72	Kinetic parameters of the electroreduction of oxygen on a graphitized carbon electrode activated by tetrakis(4-methoxyphenyl)porphyrin and its cobalt complexes. <i>Russian Journal of Physical Chemistry A</i> , <b>2012</b> , 86, 9-13	0.7	12
71	Substituted Tetraphenylporphyrins as Promising Molecular Systems with High Antioxidant Activity. <i>Macroheterocycles</i> , <b>2014</b> , 7, 218-224	2.2	12
70	Electrochemical Properties and Electropolymerization of Tetrakis(para-aminophenyl)porphyrin in Dichloromethane. <i>Macroheterocycles</i> , <b>2013</b> , 6, 152-157	2.2	11
69	Superoxide-assisted electrochemical deposition of semiconductor polyhydroxyphenylporphyrin films. <i>Mendeleev Communications</i> , <b>2019</b> , 29, 309-311	1.9	8
68	Influence of Tetrakis(4-decaoxyphenyl)porphyrin Addition on Electrochemical Reduction of Oxygen on Pt Electrode in Dimethylformamide. <i>Macroheterocycles</i> , <b>2012</b> , 5, 131-135	2.2	8
67	Electropolymerization of poly-5,10,15,20-tetrakis(p-aminophenyl)porphyrin in different deposition modes and solvents. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2018</b> , 22, 632-639	1.8	7
66	Electrochemical determination of antioxidant properties of a series of tetraphenylporphyrin derivatives and their zinc complexes. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2015</b> , 19, 1032-1038	1.8	6
65	Effect of the anode material on the composition and dimensional characteristics of the nano-sized copper-bearing powders produced by the electrochemical method. <i>Surface Engineering and Applied Electrochemistry</i> , <b>2010</b> , 46, 400-405	0.8	6
64	Thermodynamic characteristics of the resolution of K <sup>+</sup> and Cl <sup>-</sup> ions in mixtures of water with aprotic solvents. <i>Mendeleev Communications</i> , <b>2005</b> , 15, 212-213	1.9	6
63	Effect of substituent structure on formation and properties of poly-hydroxyphenyl porphyrin films obtained by superoxide-assisted method. <i>Electrochimica Acta</i> , <b>2020</b> , 342, 136064	6.7	6
62	The Electrochemical Evaluation of the Antioxidant Activity of Substituted Tetraphenylporphyrins. <i>Russian Journal of Electrochemistry</i> , <b>2017</b> , 53, 1281-1285	1.2	5
61	Electrochemical preparation and properties of ultradisperse silver powder. <i>Russian Journal of Applied Chemistry</i> , <b>2009</b> , 82, 1396-1400	0.8	5
60	Surface Potential at the Gas/Liquid Interface. <i>Colloid Journal</i> , <b>2004</b> , 66, 466-469	1.1	5
59	Thermodynamics of Na <sup>+</sup> ion solvation in water/organic mixtures studied by the method of Volta potential differences. <i>Mendeleev Communications</i> , <b>2003</b> , 13, 239-240	1.9	5
58	Estimation of Antioxidant Activity of Tetrakis(p-aminophenyl)- porphine regard to Superoxide Ions by Voltammetry Method. <i>Macroheterocycles</i> , <b>2013</b> , 6, 334-339	2.2	5
57	Highly conductive polyporphyrin films obtained by superoxide-assisted electropolymerization of para-aminophenyl porphyrin. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 241, 122394	4.4	5
56	Electrodeposition of catalytically active polyporphyrin films of metal complexes of amino-substituted tetraphenylporphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2018</b> , 22, 1047-1053	1.8	5
55	Anodic plasma electrolytic nitrocarburising of Ti6Al4 V alloy (SMT31). <i>Surface Engineering</i> , <b>2019</b> , 35, 199-204	2.6	4

54	Electrochemical properties and antioxidant activity of tetraphenylporphyrin derivatives. <i>Russian Journal of Electrochemistry</i> , <b>2015</b> , 51, 686-692	1.2	4
53	Formation of poly-Phenylporphyrin Film Activated by Superoxide Anion Radical. <i>Macroheterocycles</i> , <b>2015</b> , 8, 259-265	2.2	4
52	An electrochemical quartz crystal microbalance study of 5,10,15,20-tetrakis(4-hydroxyphenyl)porphyrin electropolymerization process. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2019</b> , 23, 1495-1504	1.8	4
51	Plasma electrolytic treatment of VT22 titanium alloy in electrolytes with carbon-containing compounds. <i>Surface Engineering and Applied Electrochemistry</i> , <b>2017</b> , 53, 1-6	0.8	3
50	The effect of diffusion processes on surface smoothing upon chemical polishing of titanium. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2016</b> , 52, 947-953	0.9	3
49	Electrocrystallization and physicochemical properties of nanosized copper-containing powders. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2009</b> , 45, 300-304	0.9	3
48	Effect of isopropyl alcohol on cathodic deposition of ultradispersed copper-containing powders from electrolyte solutions. <i>Russian Journal of Applied Chemistry</i> , <b>2007</b> , 80, 930-933	0.8	3
47	Application of Volta chains to determine ionic components of real and chemical Gibbs energies of transfer of individual ions from water to aqueous-organic solvents. <i>Russian Chemical Bulletin</i> , <b>2007</b> , 56, 1-6	1.7	3
46	Influence of ultra dispersed (Nanosized) copper contained powders on the tribological behavior of commercial lubricants. <i>Surface Engineering and Applied Electrochemistry</i> , <b>2008</b> , 44, 471-476	0.8	3
45	Hydroxyalkyloxy substituted tetraphenylporphyrins: Mechanism and superoxide scavenging activity. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2016</b> , 20, 1477-1485	1.8	3
44	Poly-5,10,15,20-tetrakis(4-hydroxyphenyl)porphyrin as a material for photovoltaic devices. <i>Mendeleev Communications</i> , <b>2020</b> , 30, 777-780	1.9	2
43	Electrochemical production of ultradisperse copper-containing particles from organo-aqueous electrolyte solutions. <i>Protection of Metals</i> , <b>2006</b> , 42, 394-397		2
42	Electrochemical determination of standard thermodynamic parameters characterizing resolution of Cu <sup>2+</sup> cations in water-acetone mixtures. <i>Russian Journal of Electrochemistry</i> , <b>2006</b> , 42, 959-963	1.2	2
41	Thermodynamic properties of individual ions, calculated in terms of conception of real thermodynamic properties of individual ions in solutions. <i>Russian Journal of Electrochemistry</i> , <b>2006</b> , 42, 1067-1072	1.2	2
40	Some Structural and Thermodynamic Aspects of Solvation of Single Ions. 2. Salt Effects in Aqueous Solutions of 1:1 Electrolytes. <i>Journal of Structural Chemistry</i> , <b>2001</b> , 42, 951-955	0.9	2
39	Synthesis, Electrochemical Properties and Antioxidant Activity of Hydroxy Substituted Tetraphenylporphyrins. <i>Macroheterocycles</i> , <b>2017</b> , 10, 43-50	2.2	2
38	Increase in Corrosion Resistance of Commercial Pure Titanium by Anode Plasma Electrolytic Nitriding. <i>Materials Science Forum</i> , <b>2016</b> , 844, 125-132	0.4	1
37	Electrochemical processes on the copper electrode in water-ethanol solutions of copper sulfate. <i>Russian Journal of General Chemistry</i> , <b>2011</b> , 81, 463-469	0.7	1

36	Role of mass transfer in electrochemical crystallization of copper from water-isopropyl alcohol solutions of copper sulfate. <i>Russian Journal of Applied Chemistry</i> , <b>2011</b> , 84, 615-619	0.8	1
35	Synthesis of copper-bearing powders and obtaining composite metallopolymeric materials. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2011</b> , 47, 215-219	0.9	1
34	Resolution thermodynamics of individual ions in water-ethanol mixtures at 298.15 K. <i>Russian Journal of Physical Chemistry A</i> , <b>2011</b> , 85, 1307-1311	0.7	1
33	The thermodynamic characteristics of resolution of calcium and cadmium ions in aqueous-ethanolic mixtures. <i>Russian Journal of Physical Chemistry A</i> , <b>2009</b> , 83, 1102-1105	0.7	1
32	Thermodynamics of resolution of Mg <sup>2+</sup> , Ca <sup>2+</sup> , Cd <sup>2+</sup> , and Cu <sup>2+</sup> ions in aqueous-ethanol mixtures on the basis of volta potential difference method. <i>Russian Journal of Electrochemistry</i> , <b>2010</b> , 46, 993-998 <sup>1.2</sup>		1
31	The features of mass transfer in the electroreduction of copper from aqueous ethanol solutions of copper sulfate. <i>Surface Engineering and Applied Electrochemistry</i> , <b>2010</b> , 46, 589-595	0.8	1
30	The standard thermodynamic characteristics of resolution of the K <sup>+</sup> , Ca <sup>2+</sup> , Cd <sup>2+</sup> , and Br <sup>-</sup> ions in water-acetone mixtures. <i>Russian Journal of Physical Chemistry A</i> , <b>2007</b> , 81, 735-738	0.7	1
29	Electrochemical synthesis of ultradispersed copper-containing powders obtained from solutions of copper nitrates in aqueous propan-2-ol. <i>Protection of Metals</i> , <b>2008</b> , 44, 253-256		1
28	Ionic components of the real and chemical Gibbs energy of transport of potassium and chloride ions from water to water-methanol mixtures. <i>Russian Journal of Electrochemistry</i> , <b>2008</b> , 44, 1162-1165	1.2	1
27	Influence of the electrolytic solution composition on the process of electrochemical synthesis of nanodimensional cupriferos powders. <i>Surface Engineering and Applied Electrochemistry</i> , <b>2008</b> , 44, 50-54 <sup>0.8</sup>		1
26	Physicochemical properties of ultrafine copper-containing powders synthesized by cathode reduction. <i>Russian Journal of Physical Chemistry A</i> , <b>2006</b> , 80, 264-267	0.7	1
25	The gibbs energies of transfer of calcium ions from water into water-acetone mixtures. <i>Russian Journal of Physical Chemistry A</i> , <b>2006</b> , 80, 562-565	0.7	1
24	Studying the Iodide Ion Solvation in Water-Dimethyl Sulfoxide Mixtures by the Method of Volta Potential Differences. <i>Russian Journal of Electrochemistry</i> , <b>2002</b> , 38, 431-434	1.2	1
23	Electrochemical doping and semiconductor properties of poly-5,10,15,20-tetrakis(p-aminophenyl)porphyrin films. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2021</b> , 25, 254-261	1.8	1
22	Electrodeposition of films of individual 5,10,15,20-tetrakis(3-aminophenyl)porphyrin metal complexes and their composite for electrocatalytic oxygen reduction. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 135, 109106	3.1	0
21	Morphology/potential-dependent electrochromic behaviour of poly(Hydroxyphenyl porphyrin) films. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 275, 125214	4.4	0
20	2H-5,10,15,20-tetrakis(3-aminophenyl)porphyrin films: electrochemical formation and catalyst property testing. <i>Journal of Electroanalytical Chemistry</i> , <b>2022</b> , 116476	4.1	0
19	Adjustment of electrolyte for chemical polishing of titanium. <i>Russian Journal of Applied Chemistry</i> , <b>2012</b> , 85, 770-775	0.8	

18	Electrochemical synthesis of mesoporous aluminum oxide with preliminary surface structuring. <i>Russian Journal of Electrochemistry</i> , <b>2014</b> , 50, 1095-1098	1.2
17	Effect of the structure of the electrode solution interface on the electrocrystallization of high-dispersity copper compounds. <i>Russian Journal of Applied Chemistry</i> , <b>2012</b> , 85, 1851-1855	0.8
16	The effect of hydrodynamic conditions on the rate of copper cathodic reduction from aqueous ethanol environments. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2012</b> , 48, 520-523	0.9
15	Catalytic activity of electrodeposited copper-containing compounds in conversion of carbon monoxide by steam. <i>Russian Journal of Applied Chemistry</i> , <b>2011</b> , 84, 1860-1865	0.8
14	Electrochemical determination of the standard thermodynamic characteristics of copper(II) ion resolution in water-methanol mixtures. <i>Russian Journal of Electrochemistry</i> , <b>2011</b> , 47, 861-864	1.2
13	Effect of hydrodynamic conditions on the silver electrodeposition from water-ethanol solutions of electrolytes. <i>Russian Journal of General Chemistry</i> , <b>2009</b> , 79, 345-349	0.7
12	Parameters of electrical double layer on the boundary copper electrode/water-organic solution of copper sulfate. <i>Russian Journal of General Chemistry</i> , <b>2009</b> , 79, 2287-2292	0.7
11	Electrochemical study of potassium and iodide ions resolution in aqueous methanol mixtures. <i>Russian Journal of Electrochemistry</i> , <b>2009</b> , 45, 1202-1205	1.2
10	Effect of isopropyl alcohol on the granulometric and chemical composition of ultradispersed copper-containing powders. <i>Russian Journal of Applied Chemistry</i> , <b>2008</b> , 81, 1909-1913	0.8
9	The special features of the solvation of the sodium, potassium, and bromine ions in water-methanol mixtures. <i>Russian Journal of Physical Chemistry A</i> , <b>2008</b> , 82, 978-981	0.7
8	Thermodynamics of copper ion resolution in water-isopropanol mixtures by the method of volta potential differences. <i>Russian Journal of Electrochemistry</i> , <b>2008</b> , 44, 870-872	1.2
7	Simulation of ion mass transfer processes with allowance for the concentration dependence of diffusion coefficients. <i>Russian Chemical Bulletin</i> , <b>2006</b> , 55, 661-665	1.7
6	Thermodynamics of Resolution of Sodium and Potassium Ions in Water-Dimethylformamide. <i>Russian Journal of Electrochemistry</i> , <b>2004</b> , 40, 470-473	1.2
5	Thermodynamic Characteristics of Resolution of Bromide Ions in Water-Dimethyl Sulfoxide Mixtures. <i>Russian Journal of Electrochemistry</i> , <b>2002</b> , 38, 326-328	1.2
4	Thermodynamics of Re-Solvation of Cadmium Ions in Water-Acetone Solvents. <i>Russian Journal of Electrochemistry</i> , <b>2005</b> , 41, 1077-1081	1.2
3	Some Structural and Thermodynamic Aspects of Solvation of Single Ions. 1. Thermodynamic Characteristics of Solvation of Single-Charged Ions in Water and Methanol and Their Structural Terms. <i>Journal of Structural Chemistry</i> , <b>2001</b> , 42, 946-950	0.9
2	Modification of the surface of electrodes by polyporphyrin films for electrocatalytic reduction of oxygen. <i>Galvanotekhnika i Obrabotka Poverhnosti</i> , <b>2019</b> , 27, 19-27	0.2
1	Thin films of Zn-Tetrakis(4-Hydroxyphenyl) Porphyrin: Formation, morphology and electrochemical properties. <i>Thin Solid Films</i> , <b>2022</b> , 752, 139245	2.2

