Mikhail A Vorotyntsev

List of Publications by Year
in descending order

160	4,781	81743	110170
papers	citations	39 h-index	64 g-index

167	167	167	3159
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electron and proton conducting polymers: recent developments and prospects. Electrochimica Acta, 2000, 45, 2403-2421.	2.6	681
2	Modelling the impedance properties of electrodes coated with electroactive polymer films. Journal of Electroanalytical Chemistry, 1994, 364, 37-49.	1.9	191
3	Electrochemical impedance spectroscopy of thin films with two mobile charge carriers: effects of the interfacial charging. Journal of Electroanalytical Chemistry, 1999, 472, 7-19.	1.9	159
4	Nonlocal electrostatic approach to the problem of a double layer at a metal-electrolyte interface. Physical Review B, 1982, 25, 5244-5256.	1.1	136
5	Highly Dispersed Palladiumâ€“Polypyrrole Nanocomposites: Inâ€Water Synthesis and Application for Catalytic Arylation of Heteroaromatics by Direct Câ€“H Bond Activation. Advanced Functional Materials, 2011, 21, 1064-1075.	7.8	128
6	Synthesis and Characterization of Palladium Nanoparticle/Polypyrrole Composites. Journal of Physical Chemistry C, 2008, 112, 19878-19885.	1.5	110
7	Comparison of the AC Impedance of Conducting Polymer Films Studied as Electrodeâ€Supported and Freestanding Membranes. Journal of the Electrochemical Society, 1995, 142, 1902-1908.	1.3	106
8	On the Theory of Nonradiative Transitions in Polar Media I. Processes without â€œMixingâ€•of Quantum and Classical Degrees of Freedom. Physica Status Solidi (B): Basic Research, 1972, 54, 125-134.	0.7	101
9	Charging process in polypyrrole films: effect of ion association. Journal of Electroanalytical Chemistry, 1998, 450, 121-141.	1.9	100
10	Conductivity and space charge phenomena in solid electrolytes with one mobile charge carrier species, a review with original material. Electrochimica Acta, 1981, 26, 303-323.	2.6	92
11	Short-range electron-ion interaction effects in charging the electroactive polymer films. Electrochimica Acta, 1994, 39, 289-306.	2.6	84
12	Model nonlocal electrostatics. I. Journal of Physics C: Solid State Physics, 1978, 11, 3307-3322.	1.5	78
13	Influence of ionic size on the mechanism of electrochemical doping of polypyrrole films studied by cyclic voltammetry. Electrochimica Acta, 1997, 42, 757-769.	2.6	72
14	Redox properties of titanocene-pyrrole derivative and its electropolymerization. Electrochimica Acta, 2001, 46, 4017-4033.	2.6	72
15	Multi-component diffusion approach to transport across electroactive-polymer films with two mobile charge carriers. Electrochimica Acta, 1996, 41, 1375-1381.	2.6	66
16	Transport across an electroactive polymer film in contact with media allowing both ionic and electronic interfacial exchange. Electrochimica Acta, 1999, 44, 2105-2115.	2.6	63
17	Nonlocal electrostatic approach to the double layer and adsorption at the electrode-electrolyte interface. Surface Science, 1980, 101, 23-48.	0.8	59
18	Ionic exchange of the polypyrrole film with the PC lithium perchlorate solution during the charging process. Electrochimica Acta, 1996, 41, 1913-1920.	2.6	58

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19	Metallocene-containing conjugated polymers. Advances in Colloid and Interface Science, 2008, 139, 97-149.	7.0	58
20	Energy cycle based on a high specific energy aqueous flow battery and its potential use for fully electric vehicles and for direct solar-to-chemical energy conversion. Journal of Solid State Electrochemistry, 2015, 19, 2711-2722.	1.2	58
21	Field-induced interfacial relaxation and electrical properties of the compact layer. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1984, 167, 1-14.	0.3	57
22	Spatially limited diffusion coupled with ohmic potential drop and/or slow interfacial exchange: a new method to determine the diffusion time constant and external resistance from potential step (PITT) experiments. Journal of Electroanalytical Chemistry, 2004, 572, 299-307.	1.9	54
23	Isotherms of electrochemical doping and cyclic voltammograms of electroactive polymer films. Journal of Electroanalytical Chemistry, 1992, 332, 213-235.	1.9	53
24	Charging process in electron conducting polymers: dimerization model. Electrochimica Acta, 2001, 46, 3309-3324.	2.6	53
25	Memory effects in functionalized conducting polymer films: titanocene derivatized polypyrrole in contact with THF solutions. Journal of Electroanalytical Chemistry, 2003, 552, 307-317.	1.9	51
26	On the Theory of Nonradiative Transitions in Polar Media II. Processes with â€œNixingâ€•of Quantum and Classical Degrees of Freedom. Physica Status Solidi (B): Basic Research, 1972, 54, 425-433.	0.7	50
27	Image potential near a dielectricâ€“plasmaâ€like medium interface. Physica Status Solidi (B): Basic Research, 1977, 84, 125-132.	0.7	50
28	The theory of atomic-molecular transformations in condensed phase at low temperatures. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1977, 75, 315-337.	0.3	49
29	Impedance of thin films with two mobile charge carriers. Interfacial exchange of both species with adjacent media. Effect of the double layer charges. Electrochimica Acta, 2002, 47, 2071-2079.	2.6	49
30	Electrostatic models in the theory of solutions. Journal of the Chemical Society, Faraday Transactions 2, 1976, 72, 361.	1.1	48
31	Nonlocal dielectric response of the electrode/solvent interface in the double layer problem. Canadian Journal of Chemistry, 1981, 59, 2031-2042.	0.6	47
32	Theory of light absorption by ions in solution. The Journal of Physical Chemistry, 1975, 79, 2827-2834.	2.9	46
33	Phenomenological description of dark redox reactions at electrodes covered with conducting polymer films. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1989, 271, 193-211.	0.3	46
34	Magnesium(II) polyporphine: The first electron-conducting polymer with directly linked unsubstituted porphyrin units obtained by electrooxidation at a very low potential. Electrochimica Acta, 2010, 55, 6703-6714.	2.6	46
35	Diffusional transport in ionic liquids: Stokesâ€“Einstein relation or â€œsliding sphereâ€•model? Ferrocene (Fc) in imidazolium liquids. Electrochimica Acta, 2010, 55, 5063-5070.	2.6	44
36	Electroreduction of halogen oxoanions via autocatalytic redox mediation by halide anions: novel ECâ€• mechanism. Theory for stationary 1D regime. Electrochimica Acta, 2015, 173, 779-795.	2.6	44

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37	Electric current across the metalâ€“solid electrolyte interface I. Direct current, currentâ€“voltage characteristic. Physica Status Solidi A, 1977, 39, 229-238.	1.7	42
38	Electrochemical and Spectral Properties of Ferrocene (Fc) in Ionic Liquid: 1-Butyl-3-methylimidazolium Triflimide, [BMIM][NTf₂]. Concentration Effects. Journal of Physical Chemistry B, 2009, 113, 1085-1099.	1.2	42
39	Polypyrroleâ€“palladium nanoparticles composite as efficient catalyst for Suzukiâ€“Miyaura coupling. Journal of Molecular Catalysis A, 2012, 353-354, 50-57.	4.8	42
40	Capacitance characteristics of a polycrystalline electrode in contact with a surface-inactive electrolyte solution. Influence of the size of surface crystal faces. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1981, 123, 379-387.	0.3	39
41	Redox flow batteries: role in modern electric power industry and comparative characteristics of the main types. Russian Chemical Reviews, 2021, 90, 677-702.	2.5	39
42	Application of a Novel Refinement Method for Accurate Determination of Chemical Diffusion Coefficients in Electroactive Materials by Potential Step Technique. Journal of the Electrochemical Society, 2005, 152, E61.	1.3	36
43	Electroactive polymeric material with condensed structure on the basis of magnesium(II) polyporphine. Electrochimica Acta, 2011, 56, 3436-3442.	2.6	36
44	Non-local screening effects in the long-range interionic interaction in a polar solvent. Journal of the Chemical Society, Faraday Transactions 2, 1982, 78, 217.	1.1	34
45	Application of the density matrix method in the quantum mechanical calculation of the bridge-assisted electron transfer probability in polar media. Journal of the Chemical Society, Faraday Transactions 2, 1974, 70, 1578.	1.1	31
46	Model nonlocal electrostatics. II. Spherical interface. Journal of Physics C: Solid State Physics, 1978, 11, 3323-3331.	1.5	28
47	Electrosynthesis and properties of poly(3,4-ethylenedioxythiophene) films functionalized with titanocene dichloride complex. Electrochimica Acta, 2006, 51, 2108-2119.	2.6	28
48	Fuel cells with chemically regenerative redox cathodes (review). Russian Journal of Electrochemistry, 2014, 50, 403-411.	0.3	27
49	Palladium nanoparticlesâ€“polypyrrole composite as an efficient catalyst for cyanation of aryl halides. Electrochimica Acta, 2014, 122, 289-295.	2.6	27
50	Reduction of bromate anion via autocatalytic redox-mediation by Br 2 /Br â^' redox couple. Theory for stationary 1D regime. Effect of different Nernst layer thicknesses for reactants. Journal of Electroanalytical Chemistry, 2016, 779, 146-155.	1.9	26
51	Bromate electroreduction from sulfuric acid solution at rotating disk electrode: Experimental study. Electrochimica Acta, 2018, 259, 655-663.	2.6	26
52	A Hydrogenâ€“Bromate Flow Battery for Airâ€Ðeficient Environments. Energy Technology, 2018, 6, 242-245.	1.8	26
53	Theory of Highly Exothermic Electron-Transfer Processes *. Zeitschrift Fur Physikalische Chemie, 1976, 100, 1-16.	1.4	25
54	Palladiumâ€“Polypyrrole Nanoparticles-Catalyzed Sonogashira Coupling. Mendeleev Communications, 2012, 22, 305-306.	0.6	25

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55	Bromate anion reduction: novel autocatalytic (ECâ€³) mechanism of electrochemical processes. Its implication for redox flow batteries of high energy and power densities. Pure and Applied Chemistry, 2017, 89, 1429-1448.	0.9	25
56	Mechanism of cathodic reactions at electron-conducting polymer films: electroreduction of chloranil and tetracyanoquinodimethane at a poly-3-methylthiophene-coated glassy carbon electrode. Journal of Electroanalytical Chemistry, 1993, 351, 271-284.	1.9	23
57	The effect of spatial dispersion of the dielectric permittivity on the capacitance of thin insulating films: Non-linear dependence of the inverse capacitance on film thickness. Thin Solid Films, 1981, 75, 105-118.	0.8	22
58	Mechanism of redox transformation of titanocene dichloride centers immobilized inside a polypyrrole matrixâ€"EQCM and XPS evidences. Electrochimica Acta, 2005, 50, 1635-1641.	2.6	22
59	Li-ion diffusion in Li Nb9PO25. Electrochimica Acta, 2013, 89, 262-269.	2.6	22
60	Synthesis of new electroactive polymers by ion-exchange replacement of Mg(II) by 2H+ or Zn(II) cations inside Mg(II) polyporphine film, with their subsequent electrochemical transformation to condensed-structure materials. Electrochimica Acta, 2014, 122, 3-10.	2.6	21
61	Electroreduction of bromate anion on inactive RDE under steady-state conditions: Numerical study of ion transport processes and comproportionation reaction. Russian Journal of Electrochemistry, 2016, 52, 925-932.	0.3	21
62	Electropolymerization of non-substituted Mg(II) porphine: Effects of proton acceptor addition. Journal of Electroanalytical Chemistry, 2015, 737, 235-242.	1.9	20
63	Hydrogen-bromate flow battery: can one reach both high bromate utilization and specific power?. Journal of Solid State Electrochemistry, 2019, 23, 3075-3088.	1.2	20
64	Potential distribution across the electroactive-polymer film between the metal and solution as a function of the film charging level. Electrochimica Acta, 1996, 41, 2313-2320.	2.6	19
65	A new strategy towards electroactive polymerâ€"inorganic nanostructure composites. Silver nanoparticles inside polypyrrole matrix with pendant titanocene dichloride complexes. Journal of Electroanalytical Chemistry, 2011, 662, 105-115.	1.9	19
66	Modern State of Double Layer Study of Solid Metals. Modern Aspects of Electrochemistry, 1986, , 131-222.	0.2	18
67	Timeâ^'Difference Impedance Spectroscopy of Growing Films Containing a Single Mobile Charge Carrier, with Application to Surface Films on Li Electrodes. Journal of Physical Chemistry B, 2001, 105, 188-194.	1.2	18
68	Electrochemically reduced titanocene dichloride as a catalyst of reductive dehalogenation of organic halides. Electrochimica Acta, 2006, 52, 1265-1280.	2.6	18
69	In situ UV-visible spectroelectrochemistry in the course of oxidative monomer electrolysis. Electrochimica Acta, 2015, 179, 315-325.	2.6	18
70	Electrolyte Flow Field Variation: A Cell for Testing and Optimization of Membrane Electrode Assembly for Vanadium Redox Flow Batteries. ChemPlusChem, 2020, 85, 1919-1927.	1.3	18
71	One-stage periodical anodic-cathodic double pulse deposition of nanocomposite materials. Application to Prussian Blue/polypyrrole film coated electrodes. Electrochimica Acta, 2014, 122, 247-258.	2.6	17
72	Polypyrrole films functionalized with pendant titanocene dichloride complexes: Ellipsometric study of the electropolymerization process. Electrochimica Acta, 2007, 53, 1195-1205.	2.6	16

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73	Mixed solutions of silver cation and chloride anion in acetonitrile: Voltammetric and EQCM study. Physical Chemistry Chemical Physics, 2010, 12, 10525.	1.3	16
74	Stability of Prussian Blueâ€“polypyrrole (PB/PPy) composite films synthesized via one-step redox-reaction procedure. Journal of Solid State Electrochemistry, 2015, 19, 2701-2709.	1.2	16
75	Bromate electroreduction from acidic solution at rotating disc electrode. Theory of steady-state convective-diffusion transport. Electrochimica Acta, 2017, 246, 1217-1229.	2.6	16
76	Electrochemically driven evolution of Br-containing aqueous solution composition. Journal of Electroanalytical Chemistry, 2019, 836, 125-133.	1.9	16
77	Model non-local electrostatics. III. Cylindrical interface. Journal of Physics C: Solid State Physics, 1979, 12, 4939-4946.	1.5	15
78	Phenomenological description of Clark redox reactions at electrodes coated with conducting polymer films. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 319, 243-261.	0.3	15
79	Bromate electroreduction via autocatalytic redox mediation: ECâ€•mechanism. Theory for stationary 1D regime. Current limitation by proton transport. Electrochimica Acta, 2016, 210, 950-962.	2.6	15
80	Reactions of solute species at an electrode modified with titanocene functionalized polypyrrole film: ferrocene and titanocene dichloride. Journal of Solid State Electrochemistry, 2004, 8, 818.	1.2	14
81	Electroreduction of bromate anion in acidic solutions at the inactive rotating disc electrode under steady-state conditions: Numerical modeling of the process with bromate anions being in excess compared to protons. Doklady Chemistry, 2016, 468, 141-147.	0.2	14
82	Generalized Nernst Layer Model: Application to Bromate Anion Electroreduction and Theory for the Stationary 1D Regime of Proton Transport Limitations. ChemElectroChem, 2016, 3, 2227-2242.	1.7	14
83	Efficient synthesis of a new electroactive polymer of Co(II) porphine by in-situ replacement of Mg(II) inside Mg(II) polyporphine film. Electrochimica Acta, 2016, 204, 276-286.	2.6	14
84	Palladium-polypyrrole composites as prospective catalysts for formaldehyde electrooxidation in alkaline solutions. Electrochimica Acta, 2020, 345, 136164.	2.6	14
85	Influence of chloride anions on the electrodeposition and electroactivity of the polymer matrix in polypyrrole, poly(N -methylpyrrole) and polypyrrole derivatives functionalized by titanocene centers, in dry non-aqueous solutions. Journal of Solid State Electrochemistry, 2004, 8, 360-368.	1.2	13
86	Model treatment of double layer charging in electroactive polymer films with two kinds of charge carriers. Electrochimica Acta, 2006, 52, 133-151.	2.6	13
87	Electropolymerization of pyrrole in acetonitrile as affected by the nature of substitute and deposition potential. Journal of Solid State Electrochemistry, 2010, 14, 2039-2048.	1.2	13
88	Electrochromic properties of Prussian blueâ€“polypyrrole composite films in dependence on parameters of synthetic procedure. Journal of Solid State Electrochemistry, 2016, 20, 1235-1240.	1.2	13
89	Electrochemical synthesis of polypyrrole in powder form. Journal of Solid State Electrochemistry, 2019, 23, 251-258.	1.2	13
90	Aspects of conductivity and space charge phenomena in solid electrolytes. Electrochimica Acta, 1978, 23, 267-270.	2.6	12

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91	Electrocatalytic properties of manganese and cobalt polyporphine films toward oxygen reduction reaction. Journal of Electroanalytical Chemistry, 2018, 816, 83-91.	1.9	12
92	Analytic expression for the potential energy of a test charge bounded by solid state plasma. Journal of Physics C: Solid State Physics, 1978, 11, L691-L694.	1.5	11
93	Diffusionâ€Convection Impedance at Small Electrodes. Journal of the Electrochemical Society, 1991, 138, 2651-2657.	1.3	11
94	One-dimensional model of steady-state discharge process in hydrogen-bromate flow battery. Electrochimica Acta, 2016, 222, 1555-1561.	2.6	11
95	Bromate electroreduction from acidic solution at spherical microelectrode under steady-state conditions: Theory for the redox-mediator autocatalytic (ECâ€³) mechanism. Electrochimica Acta, 2017, 258, 544-553.	2.6	11
96	Surprising dependence of the current density of bromate electroreduction on the microelectrode radius as manifestation of the autocatalytic redox-cycle (ECâ€³) reaction mechanism. Electrochemistry Communications, 2018, 86, 76-79.	2.3	11
97	Bromate electroreduction from acidic solution at rotating disc electrode. Theoretical study of the steady-state convective-diffusion transport for excess of bromate ions compared to protons. Electrochimica Acta, 2018, 261, 113-126.	2.6	10
98	Maximum Current Density in the Reduction of the Bromate Anion on a Rotating Disk Electrode: Asymptotic Behavior at Large Thicknesses of the Diffusion Layer. Russian Journal of Electrochemistry, 2018, 54, 186-194.	0.3	9
99	Palladium Nanoparticlesâ€“Polypyrrole Composite as Effective Catalyst for Fluoroalkylation of Alkenes. Catalysis Letters, 2018, 148, 3119-3125.	1.4	9
100	Halate electroreduction from acidic solution at rotating disk electrode: Theoretical study of the steady-state convective-migration-diffusion transport for comparable concentrations of halate ions and protons. Electrochimica Acta, 2022, 409, 139961.	2.6	9
101	Synthesis of palladiumâ€“polypyrrole nanocomposite and its electrocatalytic properties in the oxidation of formaldehyde. Russian Journal of Electrochemistry, 2017, 53, 49-57.	0.3	8
102	Bromate electroreduction in acidic solution inside rectangular channel under flow-through porous electrode conditions. Electrochimica Acta, 2019, 323, 134799.	2.6	8
103	Atomic force microscopy study of conducting polymer films near electrode's edge or grown on microband electrode. Electrochimica Acta, 2013, 110, 452-458.	2.6	7
104	Electrocatalytic activity of palladiumâ€“polypyrrole nanocomposite in the formaldehyde oxidation reaction. Doklady Physical Chemistry, 2016, 467, 37-40.	0.2	7
105	Preparation of cobalt polyporphine and its catalytic properties in oxygen electroreduction. Russian Journal of Electrochemistry, 2016, 52, 778-787.	0.3	7
106	Electrochemical route to Co(II) polyporphine. Journal of Solid State Electrochemistry, 2016, 20, 3189-3197.	1.2	7
107	Efficiency of Pyrrole Electropolymerization under Various Conditions. Russian Journal of Electrochemistry, 2018, 54, 1243-1251.	0.3	7
108	Electric current across the metal-solid electrolyte interface II. low-amplitude alternating current. Physica Status Solidi A, 1977, 39, 573-582.	1.7	6

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109	Electric double layer structure in a surface-inactive electrolyte solution: effect of the stern layer and spatial correlations of solvent polarization. Electrochimica Acta, 1991, 36, 401-409.	2.6	6
110	Charging Process in Percolating Systems. Russian Journal of Electrochemistry, 2003, 39, 182-191.	0.3	6
111	Electrochemical properties of metallocene hydroxo and oxo complexes of Ta(V): [Cp*(CpR)TaOHCl]+Clâ^', R=H, SiMe3 or (CH2)3NC4H4, Cp*(Cp(CH2)3NC4H4)TaOCl. Electrochimica Acta, 2008, 53, 3844-3853.	2.6	6
112	Primary and secondary distributions after a small-amplitude potential step at disk electrode coated with conducting film. Electrochimica Acta, 2011, 56, 9105-9112.	2.6	6
113	Synthesis of new polyporphines by replacing central ion in magnesium polyporphine. Russian Journal of Electrochemistry, 2013, 49, 753-758.	0.3	6
114	Silver/ion exchanger nanocomposites as low-temperature redox-catalysts for methanal oxidation. Electrochimica Acta, 2015, 179, 364-371.	2.6	6
115	Electrostatic contribution to the ion solvation energy: cavity effects. Physics and Chemistry of Liquids, 2017, 55, 141-152.	0.4	6
116	Mediator reduction of bromate anion at rotating disk electrode under steady-state conditions for high current densities. Russian Journal of Electrochemistry, 2017, 53, 919-931.	0.3	6
117	Evolution of Anolyte Composition in the Oxidative Electrolysis of Sodium Bromide in a Sulfuric Acid Medium. Russian Journal of Electrochemistry, 2018, 54, 1233-1242.	0.3	6
118	Primary photosynthetic processes: The problem of rapid irreversible redistribution of electronic energy. Journal of Theoretical Biology, 1980, 86, 223-236.	0.8	5
119	Effect of interparticle interactions on the rate of injection of charge carriers into electroactive polymer films. Russian Journal of Electrochemistry, 2007, 43, 1016-1025.	0.3	5
120	Electrochemical and spectral properties of some tantalocene derivatives with one pentamethylated cyclopentadienyl ligand: Cp*(Cp-R)TaCl2 , R = H, SiMe3 or (CH2)3NC4H4. Journal of Solid State Electrochemistry, 2008, 12, 421-435.	1.2	5
121	Composite materials based on Prussian Blue nanoparticles and polypyrrole for design of a highly stable sensor for hydrogen peroxide. Doklady Physical Chemistry, 2012, 444, 75-78.	0.2	5
122	One-step and one-pot method for synthesis of hybrid composite palladium-polypyrrole-carbon (Pd/PPy/C) nanomaterials. Doklady Physical Chemistry, 2013, 449, 63-65.	0.2	5
123	Electrochemistry of Electroactive Materials. Electrochimica Acta, 2014, 122, 1-2.	2.6	5
124	Nanostructured Prussian Blueâ€“polypyrrole composite coatings with electrochromic properties. Mendeleev Communications, 2016, 26, 119-120.	0.6	5
125	Halate electroreduction via autocatalytic mechanism for rotating disk electrode configuration: Evolution of concentrations and current after large-amplitude potential step. Electrochimica Acta, 2021, 391, 138914.	2.6	5
126	Pdâ€“PPy nanocomposite on the surface of carbon nanotubes: synthesis and catalytic activity. Surface Innovations, 2017, 5, 121-129.	1.4	5

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127	Electrostatic Contribution to the Ion Solvation Energy: Over-screening Effect in the Nonlocal Dielectric Response of the Polar Medium. Current Physical Chemistry, 2016, 6, 120-129.	0.1	5
128	Theoretical Analysis of Changes in the Systemâ€™s Composition in the Course of Oxidative Electrolysis of Bromide Solution: pH Dependence. Russian Journal of Electrochemistry, 2020, 56, 883-898.	0.3	5
129	Electropolymerization of magnesium 5,15-di(n-methoxyphenyl)porphine. Russian Journal of Electrochemistry, 2016, 52, 1150-1158.	0.3	4
130	Theoretical Analysis of Changes in the Solution Composition during Anodic Electrolysis of Bromide. Russian Journal of Electrochemistry, 2019, 55, 1058-1067.	0.3	4
131	Electrochemical quartz crystal microbalance study of magnesium porphine electropolymerization process. Journal of Solid State Electrochemistry, 2020, 24, 3191-3206.	1.2	4
132	Nonlocal electrostatic theory of ion solvation: A combination of the overscreening effect in the dielectric response of the medium with a smeared ion charge distribution. Doklady Physical Chemistry, 2015, 464, 198-201.	0.2	3
133	Generalization of the Nernst layer model to take into account the difference in diffusivity between the components of the system in bromate reduction in steady-state one-dimensional mode: Current limiting by proton transport. Doklady Physical Chemistry, 2016, 471, 185-189.	0.2	3
134	The method of double cathodic-anodic potential (current) pulses for synthesis of composite coatings Prussian blueâ€“polypyrrole on optically transparent electrodes. Russian Journal of Electrochemistry, 2016, 52, 46-52.	0.3	3
135	Uniformity ansatz for inverse dielectric function of spatially restricted nonlocal polar medium as a novel approach for calculation of electric characteristics of ionâ€“solvent system. Chemical Physics, 2019, 521, 14-24.	0.9	3
136	Reductive electrocatalytic dehalogenation of nitrobenzyl halides: nitrophilic or halophilic attack?. Russian Chemical Bulletin, 2005, 54, 201-210.	0.4	2
137	GyÃ¶rgy Inzelt - a tribute on the occasion of his 65th birthday. Journal of Solid State Electrochemistry, 2011, 15, 2277-2278.	1.2	2
138	Pdâ€Polypyrrole Nanocomposite in Environmentally Friendly Synthesis of Vinylnitriles Using K₄Fe(CN)₆. ChemistrySelect, 2018, 3, 4237-4243.	0.7	2
139	Bromate Anion Reduction at Rotating Disk Electrode in Steady State under Excess of Protons: Numerical Solution of the Convective Diffusion Equations at Equal Diffusion Coefficients of Components. Russian Journal of Electrochemistry, 2018, 54, 62-69.	0.3	2
140	A New Approach in the Theory of Spatially-Restricted Nonlocal Dielectric Media. Russian Journal of Electrochemistry, 2018, 54, 879-885.	0.3	2
141	Special issue with contributions to the conference â€œInternational Workshop on Electrochemistry of Electroactive Materialsâ€•(WEEM-2006), Repino, St-Petersburg Region, Russia, 23â€“28 June 2006. Journal of Solid State Electrochemistry, 2007, 11, 1007-1007.	1.2	1
142	Electrochemical synthesis of cobalt polyporphine films. Doklady Physical Chemistry, 2016, 471, 181-184.	0.2	1
143	Spectroelectrochemical determination of the redox equivalent of magnesium porphine in the course of its electrooxidation. Doklady Physical Chemistry, 2016, 466, 15-18.	0.2	1
144	Bromate Reaction on a Rotating Disc Electrode: A New Method of Obtaining Approximate Analytical Solutions for Stationary Regime. Doklady Chemistry, 2018, 483, 256-260.	0.2	1

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145	Electroactive Composite Pdâ€“Polypyrrole and Its Catalytic Properties in the Reaction of Styryl Bromide Cyanation. Russian Journal of Electrochemistry, 2018, 54, 608-611.	0.3	1
146	Bromate-Anion Electroreduction at Rotating Disc Electrode under Steady-State Conditions: Comparison of Numerical and Analytical Solutions for Convective Diffusion Equations in Excess of Protons. Russian Journal of Electrochemistry, 2019, 55, 458-466.	0.3	1
147	Datasets of EQCM-controlled deposition and cycling of thin polypyrrole films in acetonitrile electrolyte solution. Data in Brief, 2020, 29, 105360.	0.5	1
148	A Theory of Charge Selectivity Reversal in Cation- or Anion-Selective Tight Junctions between Epithelial Cells: A Nonlocal Electrostatic Approach. Biophysics (Russian Federation), 2021, 66, 84-90.	0.2	1
149	Extension of the potential intervals of high redox activity and electronic conductivity of polypyrrole films on electrode surface via their electrochemical multi-cycle treatment in monomer-free solution. Electrochimica Acta, 2021, 391, 138949.	2.6	1
150	Kinetics of low-temperature reactions when the reactants are weakly bonded to the medium. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1977, 26, 1312-1314.	0.0	0
151	International workshop on electrochemistry of electroactive polymer films (WEEPF'95) 7â€“12 April 1995, Moscow, Russia. Electrochimica Acta, 1996, 41, 1743-1744.	2.6	0
152	Electrochemistry of electroactive materials. Electrochimica Acta, 2008, 53, 3742-3743.	2.6	0
153	Electrochemistry of Electroactive Materials. Electrochimica Acta, 2011, 56, 3417-3418.	2.6	0
154	Generalized Nernst layer model for convective-diffusion transport. Numerical solution for bromide ion electroreduction on inactive rotating disk electrode under steady state conditions. Russian Journal of Electrochemistry, 2017, 53, 1100-1108.	0.3	0
155	The importance of V.G. Levichâ€™s research in the development of modern electrochemistry. Russian Journal of Electrochemistry, 2017, 53, 893-896.	0.3	0
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