Iuliia A Polozhentceva

List of Publications by Year
in descending order

31	364	759233 12	839539 18
papers	citations	h-index	g-index

32	32	32	240
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Redox transformations in electroactive polymer films derived from complexes of nickel with SalEn-type ligands: computational, EQCM, and spectroelectrochemical study. Journal of Solid State Electrochemistry, 2015, 19, 453-468.	2.5	36
2	Redox-conducting polymers based on metal-salen complexes for energy storage applications. Pure and Applied Chemistry, 2020, 92, 1239-1258.	1.9	32
3	Radical formation in polymeric nickel complexes with N2O2 Schiff base ligands: An in situ ESR and UVâ€“visâ€“NIR spectroelectrochemical study. Electrochimica Acta, 2018, 283, 1742-1752.	5.2	30
4	Charge transfer processes on electrodes modified by polymer films of metal complexes with Schiff bases. Electrochimica Acta, 2013, 109, 153-161.	5.2	29
5	Nickelâ€“Salen-Type Polymer as Conducting Agent and Binder for Carbon-Free Cathodes in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 525-533.	8.0	28
6	Polymeric Metal Salenâ€Type Complexes as Catalysts for Photoelectrocatalytic Hydrogen Peroxide Production. ChemElectroChem, 2018, 5, 3138-3142.	3.4	24
7	In situ electrochemical microbalance studies of polymerization and redox processes in polymeric complexes of transition metals with Schiff bases. Russian Journal of Electrochemistry, 2010, 46, 218-226.	0.9	19
8	Modification of supercapacitor electrodes with polymer metallocomplexes: Methods and results. Russian Journal of Electrochemistry, 2012, 48, 538-544.	0.9	18
9	Multielectron redox processes in polymeric cobalt complexes with N2O2 Schiff base ligands. Electrochimica Acta, 2018, 282, 105-115.	5.2	16
10	Infrared spectroscopic study of nickel complexes with salen-type ligands and their polymers. Journal of Molecular Structure, 2021, 1241, 130668.	3.6	16
11	Adsorption-electrochemical modification of nanoporous carbon materials by nickel complexes with Schiff bases. Russian Journal of Applied Chemistry, 2012, 85, 914-920.	0.5	15
12	Photogalvanic and photovoltaic effects in systems based on metal complexes of Schiff bases. Russian Journal of Physical Chemistry A, 2016, 90, 1088-1094.	0.6	15
13	Synthesis and study of catalysts of electrochemical oxygen reduction reaction based on polymer complexes of nickel and cobalt with Schiff bases. Russian Journal of Electrochemistry, 2016, 52, 1183-1190.	0.9	12
14	Metal-centered redox activity in a polymeric Cobalt(II) complex of a sterically hindered salen type ligand. Electrochimica Acta, 2020, 353, 136496.	5.2	9
15	Polymeric Complexes of Nickel with Salen-Type Ligands as Multifunctional Components of Lithium Ion Battery Cathodes. Technical Physics Letters, 2021, 47, 83-87.	0.7	8
16	The activity of monomeric and polymeric nickel complexes with Salen-type ligands as photosensitive materials for electrochemical solar cells. Russian Chemical Bulletin, 2021, 70, 107-112.	1.5	8
17	A Lithium-Ion Supercapacitor with a Positive Electrode Based on a Carbon Material Modified by Polymeric Complexes of Nickel with Schiff Bases. Technical Physics Letters, 2020, 46, 196-199.	0.7	6
18	New functional materials based on conductive polymerâ€”metal complexes modified with metallic nanoelectrodes. Russian Chemical Bulletin, 2015, 64, 1919-1925.	1.5	5

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19	Oxygen Electroreduction Catalysts Based on Polymer Complexes of Nickel with Schiff Bases. Russian Journal of Electrochemistry, 2018, 54, 769-774.	0.9	5
20	New Nickel(II) Complexes with Tetradentate Schiff Bases Containing Electron-Acceptor Substituents. Russian Journal of General Chemistry, 2018, 88, 1553-1555.	0.8	5
21	The Nature of Charge Carriers in Polymeric Complexes of Nickel with Schiff Bases Containing Electron-Withdrawing Substituents. Russian Journal of Electrochemistry, 2019, 55, 1039-1046.	0.9	5
22	Modification of Porous Carbon Material with Polymeric Cobalt Complex with a Schiff Base of Salen-Type for Electrodes of Electrochemical Supercapacitors. Technical Physics Letters, 2020, 46, 913-915.	0.7	5
23	Reversible Redox Processes in Polymer of Unmetalated Salen-Type Ligand: Combined Electrochemical in Situ Studies and Direct Comparison with Corresponding Nickel Metallopolymer. International Journal of Molecular Sciences, 2022, 23, 1795.	4.1	5
24	Synthesis and Structure of the New Copper(II) Complex with an Asymmetric N2O2 Schiff Base. Russian Journal of General Chemistry, 2020, 90, 921-923.	0.8	3
25	Nickel(II) Complex of N4 Schiff Base Ligand as a Building Block for a Conducting Metallopolymer with Multiple Redox States. Molecules, 2021, 26, 2646.	3.8	3
26	Synthesis and Structure of Nickel(II) Complex with Methyl-Substituted N2O2 Tetradentate Shiff Base. Russian Journal of General Chemistry, 2021, 91, 747-749.	0.8	2
27	A Novel Cobalt Metallopolymer with Redox-Matched Conjugated Organic Backbone via Electropolymerization of a Readily Available N4 Cobalt Complex. Polymers, 2021, 13, 1667.	4.5	2
28	A New Conducting Polymer for Lithium-Ion Batteries. Technical Physics Letters, 2020, 46, 77-79.	0.7	1
29	Supramolecular Associates of Nickel(II) Complexes with Nitro-Substituted Tetradentate Schiff Bases. Russian Journal of General Chemistry, 2020, 90, 444-447.	0.8	1
30	Nanostructured Ruthenium Oxide for Electrocatalysis of Hydrogen Evolution Reaction in Aqueous Alkaline Solutions. Nanotechnologies in Russia, 2020, 15, 730-734.	0.7	1
31	Electrochemical Control of the Electron Conductivity of Thin Films of Metalorganic Polymers. Technical Physics Letters, 2021, 47, 789-791.	0.7	0